

polimek[®]
CONTROL AND SECURITY SYSTEMS MANUFACTURER

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CONTROL AND SECURITY SYSTEMS MANUFACTURER

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Polimek Elektronik is an innovative technology company that provides personnel attendance control systems, access control and security control systems includes biometric technology, turnstiles, x-ray scanners, metal detector, roadbarriers to many public institutions, organizations, schools, hospitals and many private organizations from Izmir, Turkey since 1995.

Our main job is to save you from the loss of workforce due to personnel and the costs that may arise from this.

Polimek Elektronik develops both software and hardware products and providing its installation and technical service.

Our company is the industry leader with the experience and market dominance of hundreds of successful personnel monitoring and access control projects for 26 years.

The most important feature that distinguishes Polimek Elektronik from other companies is the importance we give to customer satisfaction.

Support for software and hardware products starts with phone and remote desktop access and continues as the service agreements made.

Determining the customer's need, the process starts with the creation and installation of the necessary system and ends with the provision of on-site and remote technical support of the products.

Polimek is an integrator company that offers you a complete solution consisting of hardware and software.

The ability to use our systems smoothly and easily by our customer and their satisfaction is our greatest reward.

Polimek Elektronik first company that comes to mind whenever access control systems mentioned for many years in Turkey and will continue to work with all its strength to keep the title.



HARDWARE SOLUTION

- GUARD TOUR CONTROL SYSTEMS
- ACCESS CONTROL SYSTEMS
- TURNSTILES
- TURNSTILE ACCESSORIES



GUARD TOUR CONTROL Systems

Polimek

Since 1995; Polimek Electronic introduces and market to Turkey patrol tour control systems, Polimek is a leader in the market and Polimek has experienced the pride of being a finalist in TESID competition in creativity in electronics.

Everyday following the developing technology and updating their products; Polimek has 3 different type of guard tour control systems.

The first one is using touch memory technology "Smart pen"; second one is using 125 KHz proximity technology called "Proxpen" and the theird one is also using proximity technology with LED flashlight called "T 10"

<https://www.youtube.com/watch?v=yalVYoz4ats>

1 SMARTPEN 3000 Guard Tour Control System



Recording Capacity	: 16.380
Operating Voltage	: 3 V DC
Operating Temperature	: -10 C +50 C
Communication to PC	: USB
Communication to TOM	: One Wire
Dimensions	: Height: 170 mm - 28 mm Diameter
Cover	: 1.5 mm Stainless Steel PlasticCoating
Weight	: 300 g
Operating Systems	: Win 95 and higher versions
Read at Full Charge	: 2.250 read (Approximately 30 days)
Notification	: LED and Vibration
Warranty	: 2 years against manufacturing defects



2

PROXPEN 3000 Guard Tour Control System



Recording Capacity	: 16.380	Reading	: 125 Khz
Operating Voltage	: 3 V DC	Dimensions	: Height: 170 mm 28 mm Diameter
Operating Temperature	: -10 C +50 C	Cover	: 1.5mm Stainless Steel Plastic Coating
Communication to PC	: USB	Weight	: 300 g
Communication to TOM	: OneWire	Operating Systems	: Win 95 and higher versions

3

T 10 Guard Tour Control System



Recording Capacity	: 16.000	Outer Sheath	: Special alloyaluminum
Operating Voltage	: 3,6 V DC	Weight	: 250 g
Operating Temperature	: -10 C +50 C	Battery Life	: 200,000 readings
Communication with PC	: USB	Additional Feature	: With Flashlight
Battery Charger	: USB (Opsiyonel 220 V adaptör)	Notification	: LED and Vibration
Reading	: 125 Khz	Warranty	: 2 years against manufacturing defects
Dimensions	: Length: 180 mm Diameter: 28 mm		

polimek®



ACCESS CONTROL SYSTEMS

polimek

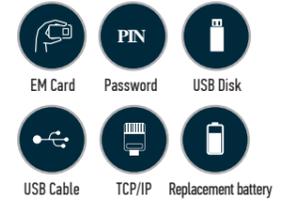
The purpose for the access control systems is to control the entries of the person's to certain places and to report relevant data. If required, time restrictions and introduction for access at doors may be applied for the persons.

The system constitutes card readers or fingerprint readers and turnstiles and access control software. Status information accumulated on the terminals may preferably be transferred online or offline.

<https://www.youtube.com/watch?v=KKAoPqB1uxo>

PL 800 Card Reader

Card User	10,000
Password User	3000
Attendance Records	100,000
Fingerprint Verification Mode	1:1, 1:N
Working Mode	Online
Verification	ID Card, Password
Combination	PIN +Card
Verification Time	<1.0s
False Rejection Rate	<0.01%
False Acceptance Rate	<0.0001%
Screen	2.4 inches (Color Display)
Display Language	English, Turkish
Communication	RS485, USB Drive/Link, TCP/IP
Working Humidity	20%-60%
Working Temperature	0°C-50°C
Power Supply	9V DC
Idle Current	400mA
Working Current	500mA
Sound Indicator	Buzzer, Voice



PL 28 Fingerprint Reader

Fingerprint Users	3000/5000
Card User	3000/5000
Password User	3000/5000
Attendance Records	100,000
Fingerprint Verification	1:1, 1:N
Working Mode	Offline / Online
Verification	Fingerprint, ID Card, Password
Combination	FP+Card, PIN+Card, FP+PIN+Card
Verification Time	>1.0s
False Rejection Rate	<0.01%
False Acceptance Rate	<0.0001%
Fingerprint Sensor	Optical Sensor
Screen	3 inches (Color Display)
Display Language	English
Communication	RS485, USA Drive/Link, TCP/IP
Working Humidity	20%-60%
Working Temperature	0°C-50°C
Power Supply	12V DC
Idle Current	400mA
Working Current	500mA
Sound Indicator	Buzzer, Voice
Access Control	Built-in Directly control of door lock / Indirectly control of door lock via Wiegand access controller. Support 50 access time zones, combination identification, anti-pass back.

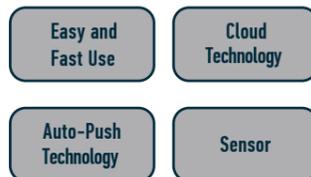


Auto Push Technology

Sensor

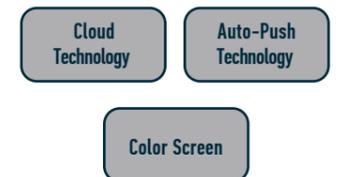
PL 70 Fingerprint Reader

Fingerprint Users	3,000
Card User	3,000
Password User	3,000
Attendance Records	100,000
CPU	32bit CPU
Fingerprint Sensor	Optical sensor
Fingerprint spoof detection	Support Max. 255 units
Card Reader	Including EM type ID card reader (Option: Mifare reader)
Screen	2.0 inch TFT display
Communication	TCP/IP, USB, RS485
Input and output terminals	Power input (12V; GND) Wiegand input 26/34 Door relay terminal (COM; NO; NC) Alarm relay terminal (COM; NO; NC) Wiegand output 26/34 Exit button input (Exit; GND) Door sensor input Bell terminal (BELL) Anti-pass/reader communication terminal (RS485)
USB disk	Support
Additional function	Tamper Detection
Audio output	Buzzer
RTC	Support
Working voltage	DC 12V ± 10%
Working Humidity	20% - 80%
Working Temperature	-10°C ~ +60°C
Operating mode	Stand-alone/Master mode, Reader Mode
Identification mode	Fingerprint, card, password and combinations
Display Language	Support multi-languages. English, Turkish, Thai, as default.
Access Control	Directly control of door lock / Indirectly control of door lock via Wiegand access controller. Support 50 access time zones, combination identification, anti-pass back.
Control multi-doors	Support
Alarm function	Support tamper, long time door open, illegal door open and intimidate alarm. Support sleep mode
Power management	Support sleep mode
Self-test function	Support
FAR/FRR	0.00001/0.1(%)
Identify speed	<0.01 second (when enrolled 2000 fingerprints)
Keyboard	Touch keypad, 20Keys(with doorbell touch keypad)
Intelligent adaptation function	Support
Matching mode	1:N, 1:1



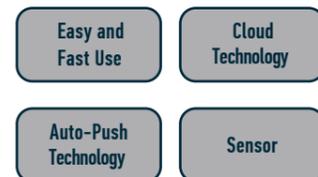
PL 52 Fingerprint Reader

Fingerprint Users	1000/3000/5000
Card User	1000/3000/5000/10000
Password User	1000/3000/5000
Attendance Records	100,000
Fingerprint Verification Mode	Model 1:1, 1:N
Working Mode	Offline / Online
Verification	Fingerprint, ID card, password
Combination	Fingerprint+card, password+card, fingerprint+card+password
Verification Time	>1.0s
False Rejection Rate	<0.01%
False Acceptance Rate	<0.0001%
Fingerprint Sensor	Optical sensor
Screen	2.8 inç
Display Language	English
Communication	RS485, USB/cable, TCP/IP
Working Humidity	20%-60%
Working Temperature	0°C-50°C
Power Supply	9V DC
Idle Current	400mA
Working Current	500mA
Sound Indicator	Buzzer, Voice
Access Control	Built-in Optional Auto
Server Connection	Automatic
Wi-Fi Connectivity	Optional
GPRS	2G/3G/4G (Optional)



PL 90 Fingerprint Reader

Fingerprint Users	3,000
Card User	3,000
Password User	3,000
Attendance Records	100,000
CPU	32bit CPU
Fingerprint Sensor	Optical sensor
Fingerprint spoof detection	Support
Multi-device Related	Max. 255units
Card reader	Including EM type ID card reader(Option:Mifare reader)
Display	2.4 inch TFT display
Communication	TCP/IP, USB, RS485
Input and output terminals	Power input (12V; GNU), Wiegand input 26/34, Door relay terminal (COM; NO; NC), Alarm relay terminal (COM; NO; NC), Wiegand output 26/34, Exit button input (Exit; GND) Door sensor input, Bell terminal (BELL), Anti-pass/reader communication terminal (RS485)
USB disk	Support
Additional function	Tamper Detection
Audio output	Buzzer
RTC	Support
Working voltage	DC 12V ± 10%
Working humidity	20% - 80%
Working temperature	-10°C ~ +60°C
Operating mode	Stand-alone/Master mode, Reader Mode
Identification mode	Fingerprint, card, password and combinations
Display language	Support multi-languages. English, Turkish, Thai, as default.
Access control	Directly control of door lock / Indirectly control of door lock via Wiegand access controller. Support 50 access time zones, combination identification, anti-pass back.
Control multi-doors	Support
Alarm function	Support tamper, long time door open, illegal door open and intimidate alarm.
Power management	Support sleep mode
Self-test function	Support
FAR/FRR	0.00001 / 0.1 (%)
Identify speed	-1.0 second (when enrolled 2000 fingerprints)
Keyboard	Touch keypad, 20Keys (with doorbell touch keypad)
Intelligent adaptation function	Support
Matching mode	1:N, 1:1



PL35 Fingerprint Reader

- Metallic case, new design with touch keypad, slim and elegant, 2 inch Touch Key Fingerprint acces control device with Aluminum alloy Case
- Applied capacitive fingerprint sensor, which is good at recognizing live finger and long lasting use
- Support T9 input method, ID and IC card swiping together
- Standard TCP/IP, RS485, USB, U disk for communication with computer and server together.
- Support self-service report. You can export and import user information and shift setting in excel format. It also support export excel attendance report from device directly with USB flash drive.
- Professional access control, tamper alarm, door open alarm, wiegand input and output, door magnetic detection, anti-passback, interlock, fire linkage and other professional access control functions
- IP 67 Waterproof standard(optional)



PLA2 Face Recognition Reader

Face Registration Capacity	1000
Card Registration Capacity	2000
User Record/ Management Record	100,000
Language	English, Thai, Spanish, Arabic and so on
Access Control Function	Essential opening door function, optional control gate / Time management / Anti-submarine / Duress alarm function
Attendance Function	Attendance (on/off duty) time quantum
Alarm Function	Yes
Power Management Function	Sleeping Function
U Disk Upload/Download Function	Yes
Dynamic IP Allocation	Yes (optional M1 card or ID card)
Camera	Two high definition camera
Inflared Lamp	1 imported ultra bright lamp four white light
Unch Card Function	Yes
Displayer	Color screen 2.8 inch TFLCD
Touch Screen	Yes
Body Induction	Yes
LED Lights	Two (Red, Green)
Input Parts	A WG 26/34 input (can be external card reader module)
Professionals access	TCP-IP, WIFI (opsiyonel), RS485
U Disk Interface	Yes (remark; only support FAT32 file system)
Voice Output	Yes
Algorithm Version	Facev 4.0
FAR/FRR	0.01%/1%
Matching Speed	<1.0 second
Smart Update Function	Yes
Face Recognition Mode	Support 1:N or 1:1
Size	73 x 46x 187 mm



PL218 Face Recognition Reader

CPU	32 bit CPU (ARM9)
Identification Style	Facial / Fingerprint / Card / Password
Facial Capacity	1.500
Fingerprint Capacity	5.000
Card Capacity	5.000
Record Capacity	500.000
Identification Mode	1:N , 1:1
False Acceptance Rate	0
Identification Speed	<1,0s
Fingerprint Sensor	Optical Sensor
Communication	USB, TCP / IP (Option WIFI)
Card Reader	Proximity, Mifare (Optional)
LCD Screen	4.3" TFT Color Touch
Output Terminal	Wiegand 26 / 34; Alarm and Lock Relay
Voice	Turkish, English, French
Language	Turkish, English, French
Power Supply	DC 9V - DC 12V
Operating Temperature	-10°C - +60°C
Dimensions	160*140*30 mm



AGORA Card Reader

Operating Type	WG 26/34
Operating voltage	DC 9V – 16V
Working Current	≤ 80 mA
Reading Distance	5 – 10 cm.
RFID Frequency	125 KHz, 13,56 Mhz optional
Working Temperature	-10°C - + 50°C
Working Ambient Humidity	10% - 90%
Card Reader - Break Panel	max. 100 m.



AGORA TCP/IP Network Access Control

TCP/IP 4 door 2 ways access controller is one of TCP/IP access controllers which use standard industrial TCP/IP network. There is no limitation of device quantity. It has built in web management and we can manage it directly. It connects 8 card readers to realize card swiping for door entry or exit and anti pass back.

PARAMETER		TCP/IP Communication	1
User	30.000	RS485 Interface	1
Event	50.000	BASIC PARAMETER	
Alarm Event	60.000	Panel Size	210*125*22 mm
Communication	TCP/IP	Panel Weight	250 g
Communication Distance	Software management without limitation	Working Temperature	12V
Card Reader	Wiegand Protocol	Working Current	< 80 mA
Door Open Method	Card, Card +PSW, Double Card, Software, Push Button	Rated Power	< 5 W
STANDARD INTERFACE			
Card Reader	8		
Alarm Output - Input	1		
Fire Alarm Output - Input	1		
Release Button	4		
Door Sensor Input	4		
Lock Output	4		





TURNSTILES

- TRIPOD TURNSTILE
- VIP TURNSTILE
- FASTLANE TURNSTILE
- FULL HEIGHT TURNSTILE

Turnstile control system is one of the most important systems among access control systems. Turnstile selection towards access control is depending on the security system where the conditions are suitable for the application.

Arrival and departure times of the employees in the companies, visitors, cafeterias, stadiums etc. may be supervised through different models of turnstiles.

We have a lot of type of turnstiles including tripod, flap, speed gate, full height, swing gate and waist high rotor turnstiles.

All of our turnstiles made with 304 stainless steel and manufactured in Turkey with European quality standards.

We export our turnstiles to all over the world.



PL201 Tripod Turnstile

Power Requirements : 110/220V. 60/50Hz. AC (%±10) 24V. DC at standby ~4,4W max. ~12W.

Dimensions : 1190x1000x280 + Arm length (470 mm)

Arms : Ø40 x 2,0 mm 304-Grade (Opt. 316-Grade) stainless steel. (Opt. anodised hard aluminium). Arms can be dismantled or mounted one by one separately.

Body Features : 304-Grade (Opt. 316-Grade) stainless steel. Protected against water for outdoors use. Half- cylindrical rounded legs.

Indicator Features : Decorative LED indicators on both legs in stripe form.

Operating Temperature, Humidity, IP Rating : -20°C - +68°C (-50°C with optional heater unit) / RH 95% non-condensing / IP 54 outdoor rated (Opt. IP 56).

Control System : Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

Operation : Microprocessor controlled industrial design with vibration resistance, adaptable to any demand of user. All inputs are opto-coupler protected. Passage directions can be easily adjusted for controlling as free passage active, passive or combination of these indications. Passage directions can be activated with another input. Thanks to the double-input feature, passage direction can be activated on a single signal for both passage ways. (opt. audio unit with speaker and WAV files) Solenoids in the system are special design. Do not heat more than 10°C at ~%100 ED atmospheric temperature.



PL300 Tripod Turnstile

Power Requirements : 110/220V. 60/50Hz. AC (%±10) 24V. DC at standby ~4,4W max. ~12W.

Dimensions : 1190x1000x280 + Arm length (470 mm)

Arms : Ø40 x 2,0 mm 304-Grade (Opt. 316-Grade) stainless steel. (Opt. anodised hard aluminium). Arms can be dismantled or mounted one by one separately.

Body Features : 304-Grade (Opt. 316-Grade) stainless steel. Protected against water for outdoors use. Half- cylindrical rounded legs.

Indicator Features : Decorative LED indicators on both legs in stripe form.

Operating Temperature, Humidity, IP Rating: -20°C - +68°C (-50°C with optional heater unit) / RH 95% non-condensing / IP 54 outdoor rated (Opt. IP 56).

Control System : Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

Operation : Microprocessor controlled industrial design with vibration resistance, adaptable to any demand of user. All inputs are opto-coupler protected. Passage directions can be easily adjusted for controlling as free passage active, passive or combination of these indications. Passage directions can be activated with another input. Thanks to the double-input feature, passage direction can be activated on a single signal for both passage ways. (opt. audio unit with speaker and WAV files) Solenoids in the system are special design. Do not heat more than 10°C at ~%100 ED atmospheric temperature.



PL101 Tripod Turnstile

Power Requirements : 110/220V. 60/50Hz. AC (%±10), 24V DC. At standby ~11W. max. ~60W.

Dimensions : 380 x 300 (+ arm length 470) x 955 mm

Arms : Ø40 x 2 mm 304-Grade (Opt. 316-Grade) stainless steel (Opt. anodised hard aluminium).

Arms can be dismantled or mounted one by one separately. Body Features : 304-Grade (Opt. 316-Grade) stainless steel with orbital brushed matt (opt. satin brushed) surface, flat and angular top lid versions with protection against water for outdoors use. Indicator Features : Green Arrow & Red Cross LED as a standard feature. Operating Temperature, Humidity, IP Rating : -20°C to +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 54 Outdoor Model (Opt. IP 56) Minimum Passage Performance : 15 million passages.



PL125 VIP Turnstile

Power Requirements : 110/220V. 60/50Hz. AC (%±10) 24V. DC at standby ~11W. max. ~65W.

Dimensions : 450 x 250 (+ wing length 450-900) x 955 mm

Wing Features : Ø33,7x1,5mm 304-Grade (Opt. 316-Grade) Stainless steel wing frame infilled with acrylic panel. (Opt. anodised hard aluminium wing frame)

Wing Length : 450 or 900mm

Indicator Features : Green Arrow & Red Cross LED direction indicators as standard.

Body Features : 304-Grade (Opt. 316-Grade) Stainless steel with orbital brushed matt (opt. satin brushed) protected against water for outdoors use.

Operating Temperature, Humidity, IP Rating : -20°C - +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 54 Outdoor Model (Opt. IP 56)

Minimum Passage Performance : 15 million passages.

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

Operation : Motorized system that operates bi-directionally.



500 ED Tripod Turnstile

Power Requirements : 110/220V. 60/50Hz. AC (%±10) 24V. DC at standby ~11W. max. ~60W.

Dimensions : 500x955x300 + arm length (470mm)

Arms : Single-sided. Ø40mmx2mm 304-Grade (Opt. 316-Grade) Stainless steel (Opt. anodised hard aluminium). Arms can be dismantled or mounted one by one separately.

Body Features : 304-Grade (Opt. 316-Grade) Stainless steel with brushed (Opt. Satin) surface protected against water for outdoors use.

Indicator Features : Green Arrow & Red Cross LED Operating Temperature, Humidity, IP Rating, MCBF : -20°C to +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 54 Outdoor Model (Opt. IP 56) / 1M Cycles

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

Operation : Bi-directional passage, manually (Opt. Motorized) operated system.



MRKT 404

- Body coating with chrome-nickel
- Manual opening after self-closing
- Mark suitable for the intended use on plexidoorplate.
- Ex. Disable / Stop Sign



SWG 101

- Body coating with chrome-nickel
- Manual Opening
- Oneway control
- Elegant design
- 18 kg
- 1400x1200x1000 mm



HG 01-02 Fastlane Turnstile

Power Requirements : 110/220 - 240V. 60/50Hz. AC (%±10) 24V.DC -At standby ~10W. During operation ~39W. (Single-sided) -At standby ~20W. During operation ~78W. (Central unit)
Dimensions : For Single unit : 1465 x 1030 x 325 + arm length (275) mm For Central unit: 465 x 1030 x 325 + arm length (275 x 2) mm

Wing Movement : Electronically controlled rapid wing movement for quick and smooth passages.

Wing Features : RGB LED illuminated, 10 mm. thick tempered glass (impact resistant).

Top Lid : 20 mm. thick natural granite (Star Galaxy Black) stone on top is standard feature for a decorative and aesthetical appearance. Different granite patterns and colours are available. (Opt. Stainless steel or wood)

Body Features : The central and the front panels are DIN 304-grade satin finished stainless steel; lateral panels are standard grid 304-grade stainless steel. Stainless steel and acrylic plates for both directions are provided with the top lid for covering reader devices. Adequate space is available under these plates for installation of various reader devices and wiring. Acrylic plates are recommended for the integration of RF units.

Indicator & Display Features : On the front panels, graphical LED status displays of Green Arrow and Red Cross are provided as standard feature. In addition, an illuminated acrylic layer under the granite top lid is included. At standby, the acrylic layer illuminated in blue; during authorised passages it flashes green; when an unauthorized attempt is detected or during alert mode it flashes red.

Operating Temperature, Humidity, IP Rating : -20°C to +68°C / RH 95% non-condensing / IP 44 Indoor Model / 1M cycles

Minimum Passage Performance : 15 million passages.

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.



Slidden Gate 55



Power Requirements : 110/220-240V. 60/50Hz. AC (%±10) 24V.DC

-At standby ~10W. During operation ~39W. (Single-sided)

-At standby ~20W. During operation ~78W. (Centre unit)

Wing Movement : Electronically controlled rapid wing movement for quick and smooth passages.

Wing Features : Soft blue illuminated 12mm impact resistant tempered glass (Opt. polycarbon) wings. A passage lane consists of two single-sided units.

Top Lid : 20 mm. thick natural granite (Star Galaxy Black) stone on top is standard feature for a decorative and aesthetical appearance. Different granite patterns and colours are available. (Opt. stainless steel, tempered glass or wood)

Body Features : 304-Grade satin finished stainless steel. Stainless steel and acrylic plates for both directions are provided with the top lid for covering reader devices. Adequate space is available under these plates for installation of various reader devices and wiring. Acrylic plates are recommended for the integration of RF units

Indicator & Display Features : On the front panels, DOT MATRIX animated LED status displays of Green Arrow and Red Cross are provided as standard feature. In addition, an illuminated acrylic layer under the granite top lid is included. At standby, the acrylic layer illuminated in blue; during authorised passages it flashes green; when an unauthorized attempt is detected or during alert mode it flashes red.

Operating Temperature, Humidity, IP Rating, MCBF : -20°C - +68°C / RH 95% non-condensing / IP 44 indoor model / 1M cycles

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

GLA 1

Power Requirements : 110/220-240V. 60/50Hz. AC (%±10) 24V.DC at standby ~2W. max. ~65W.

Dimensions : Cylindrical body 1030mm (1020 with glass top lid) x Ø230mm + Wing width (550 / 900mm)

Body Features : Single piece 304-grade (Opt. 316-grade) satin finished and circular stainless steel body.

Wing Features : Wing is made of 10 mm thick tempered glass (Opt. polycarbon or acrylic). 550 mm or 900 mm wing lengths are available as standard choices.

Top Lid Features : Standard 10 mm thick tempered glass or 20 mm thick natural granite (star galaxy black) stone top lid for a decorative and aesthetical appearance (opt. 20 mm stainless steel or other materials).

Indicator Features : Built-in circular RGB LED status indicators are located under granite top lid. Illumination is blue at stand-by; green during authorised passage, flashing red for unauthorised attempts and green for emergency alert mode.

Operating Temperature, Humidity, IP Rating, MCBF : -20°C - +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 44 Indoor Model (IP 56 option is available for optional pipe wing versions) / 1M Cycles.

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.



ST 48 S

Power Requirements: 110/220 – 240 V. 60/50Hz. AC (%±10) 24V. DC at standby

For Single-Sided: ~3W. max. ~15W.

Arm Features: Four-section (for double-sided a pair) rotors (90°). Each section contains nine (for double-sided ten) Ø42mmx2.5mm hot dip galvanised and electrostatic powder coated or Ø40mmx2.0mm 304-Grade (Opt. 316-Grade) Stainless Steel (Opt. Ø38, Ø42 and Ø45mm) arms.

Dimensions: 1350 x 1075 x 2182 mm (Single-Sided)

Body Features: Constructed on main carriers, supported by box beams on lateral panels, strengthened by separators. Material used is hot dip galvanised and electrostatic powder coated steel, stainless steel (304-Grade) or their combinations. Top cover is protected against water for outdoors installations. As an option, upright bars at the frame can comply with UK H&S Regulations (The gap between upright bars is less than 98 mm).

Operating Temperature, Humidity, IP Rating: -20°C to +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 56 Outdoor Model (Opt. IP 66)

Control System: All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.

Minimum Passage Performance: 15 million passages.

Indicator Features: Green Arrow & Red Cross LED indicators on the top cover as standard.



AUTOMATIC DROP ARM



MANUEL CONTROLLER



COUNTER

Reset



Without reset



JETON MECHANISM



ST 48 D

Power Requirements: 110/220 – 240 V. 60/50Hz. AC (%±10) 24V. DC at standby

For Double-Sided: ~3+3W. max.~15+15W

Dimensions : 2050 x 1180 x 2182 mm (Double-Sided)

Arm Features : Four-section (for double-sided a pair) rotors (90°). Each section contains nine (for double-sided ten) Ø42mmx2.5mm hot dip galvanised and electrostatic powder coated or Ø40mmx2.0mm 304-Grade (Opt. 316-Grade) Stainless Steel (Opt. Ø38, Ø42 and Ø45mm) arms.

Body Features : Constructed on main carriers, supported by box beams on lateral panels, strengthened by separators. Material used is hot dip galvanised and electrostatic powder coated steel, stainless steel (304-Grade) or their combinations. Top cover is protected against water for outdoors installations. As an option, upright bars at the frame can comply with UK H&S Regulations (The gap between upright bars is less than 98 mm).

Indicator Features : Green Arrow & Red Cross LED indicators on the top cover as standard.

Operating Temperature, Humidity, IP Rating : -20°C to +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 56 Outdoor Model (Opt. IP 66)

Minimum Passage Performance: 15 million passages.

Control System : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.



FINGER PRINT READER APPARATUS



REMOVE CONTROL RECEIVER TRANSMITTER



CARD READER MOUNTING APPARATUS





X-RAY BAGGAGE Scanner

POLİMEK

X-ray baggage / packet/ luggage scanner devices are imaging systems for the pre-determination of the presence of dangerous substances in the package.

This product is becoming increasingly important in today's conditions where safety is very important.

Our services are sales, installation, commissioning and ongoing maintenance of x-ray scanners.

Our range of x-ray scanners are divided into the following categories: hand baggage, hold baggage and cargo and pallet scanners, the main differentiators when selecting your x-ray scanner is: tunnel size, single or dual view, 3D Imaging and x-ray penetration.

The tunnels of the x-ray baggage scanner are determined according to the place to be used.

50x30 tunnels are usually suitable for places entered with handbags, such as shopping mall entrances, public institutions and organizations; as the size of the package to be controlled increases; 65x50, 80x65, or 100x100 will be more convenient.

Sites such as airports, bus terminals, hotel entrances should prefer devices with large tunnel measurements.

Our services used in different sectors like:
- Airport security, border security, embassies security, oil & gas security, port & harbor security, prison, shopping mall etc..

Another important feature of the X-ray baggage scanner is the power of the generator. According to the generator power, x-ray scanner can give 2 or 4 color image, can make organic-inorganic separation.

Our X-ray baggage and luggage scanner devices all have CE, ISO 9001, ISO 14000, ISO 1600 and Tuv documents.

SG 5030 A

SG 5030 A, x-ray baggage scanner easily accommodates the inspection of hand baggage and parcels.

SG 5030 A, uses a high-resolution x-ray detector array that increases detection sensitivity, improves image resolution and optimizes image presentation.

ADVANTAGES

- Independent intellectual property rights software inside to ensure smooth operation,
- Double lead curtain avoid x ray leakage to ensure people safety,
- Different Access Modes in software, can open unlimited sub-account with hierarchical permissions,
- Embedded with Wireless LAN, can do remote technical support at any time
- Bi-directional operation allows the system to be incorporated, realize the two-way screening

SG 5030 A - STANDARD FEATURES

- Single-energy Imaging (3 color) • 21.5" LCD Display with Standard PC Keyboard
- View Previous / Next Bag • Image Archive • Baggage Counter
- Date/Time, Model Display • Adjustable Zoom Preview Window
- TIP (Threat Image Project) • Support Multiple Language • High Definition Image
- Auto High Density Alarm • Image Management • Dynamic Processing
- Green Lead Curtain • Network Interface and Wireless LAN • Shutdown with One Key
- Self-diagnose • 0.7 m Tunnel Extension Table • Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional)
- UPS (Uninterrupted Power Supply) (Optional)

STANDARD FEATURES	SG 5030 A
Tunnel Size	504 x 304 mm
Conveyor Load	100 kg
Conveyor Speed	0.22 m/s
Penetration	8-10 mm steel
Resolution	38 AWG
Film Safety	Guarantee ISO 1600 Film
X-ray Leakage	<0.1 mR/h (1.0 µSv/h)
Monitor	21,5" LCD
Power Consumption	0.8 Kw (max)
Dimension (U)x(G)x(B)	1846 x 785 x 1200 mm



You can contact us for all our tunnel sizes.

SG 5030 A

ST 16 STANDARD IMAGING PROCESSING TOOLS

- High & Low Gray Enhance
- Gaussian Blur
- Super Enhancement
- Reverse
- Plus 6 kinds Pseudo Color Display
- Log&Exp Trans
- Sharpen
- High Energy
- Gray

COMPLIANCE

CE COMPLIANT

DIRECTIVE 2004/108/ EC ELECTROMAGNETIC

DIRECTIVE 2006/42 / EC MACHINERY

DIRECTIVE 2006/95 / EC LOW VOLTAGE

ROHS: EN62321 : 2008

FILM SAFETY

FILM SAFETY: ISO 1600

ISO9001 QUALITY MANAGEMENT SYSTEM

ISO14001 ENVIRONMENT MANAGEMENT SYSTEM

OHSAS18001 OCCUPATIONAL HEALTH MANAGEMENT SYSTEM

SG 5030 C

SG 5030 C, x-ray baggage scanner easily accommodates the inspection of hand baggage and parcels.

SG 5030 C, uses a high-resolution x-ray detector array that increases detection sensitivity, improves image resolution and optimizes image presentation.

ADVANTAGES

- Independent intellectual property rights software inside to ensure smooth operation,
- Double lead curtain avoid x ray leakage to ensure people safety,
- Different Access Modes in software, can open unlimited sub-account with hierarchical permissions,
- Embedded with Wireless LAN, can do remote technical support at any time
- Bi-directional operation allows the system to be incorporated, realize the two-way screening



You can contact us for all our tunnel sizes.

SG 5030 C - STANDARD FEATURES

- Multi-energy Imaging (4 color) • 21.5" LCD Display with Standard PC Keyboard
- View Previous / Next Bag • Image Archive • Baggage Counter
- Date/Time, Model Display • Adjustable Zoom Preview Window
- TIP (Threat Image Project) • Support Multiple Language • High Definition Image
- Auto High Density Alarm • Image Management • Dynamic Processing
- Green Lead Curtain • Network Interface and Wireless LAN • Shutdown with One Key
- Self-diagnose • 0.7 m Tunnel Extension Table • Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional)
- UPS (Uninterrupted Power Supply) (Optional)

STANDARD FEATURES	SG 5030 C
Tunnel Size	504 x 304 mm
Conveyor Load	100 kg
Conveyor Speed	0.22 m/s
Penetration	32-34 mm steel
Resolution	38 AWG
Film Safety	Guarantee ISO 1600 Film
X-ray Leakage	<0.1 mR/h (1.0 µSv/h)
Monitor	21,5" LCD
Power Consumption	0.8 Kw (max)
Dimension (U)x(G)x(B)	1846 x 785 x 1200 mm

SG 5030 C

ST 22 STANDARD IMAGING PROCESSING TOOLS

- Organics, Inorganic & Mixture Striping
- High & Low Gray Enhance
- Gaussian Blur
- Super Enhancement
- Reverse
- Color & Gray
- Log&Exp Trans
- Sharpen
- High & Low Energy
- Fusion

COMPLIANCE

- CE COMPLIANT
- DIRECTIVE 2004/108/ EC ELECTROMAGNETIC
- DIRECTIVE 2006/42 / EC MACHINERY
- DIRECTIVE 2006/95 / EC LOW VOLTAGE
- ROHS: EN62321 : 2008

FILM SAFETY

- FILM SAFETY: ISO 1600
- ISO9001 QUALITY MANAGEMENT SYSTEM
- ISO14001 ENVIRONMENT MANAGEMENT SYSTEM
- OHSAS18001 OCCUPATIONAL HEALTH MANAGEMENT SYSTEM

SG 6550 A

- Independent intellectual property rights software inside to ensure smooth operation
- Double lead curtain avoid x ray leakage to ensure people safety
- Different Access Modes in software, can open unlimited sub-account with hierarchical permissions
- Embedded with Wireless LAN, can do remote technical support at any time
- Bi-directional operation allows the system to be incorporated, realize the two-way screening



You can contact us for all our tunnel sizes.

SG 6550 A - STANDARD FEATURES

- Simple-energy Imaging (3 color) • 21.5" LCD Display with Standard PC Keyboard
- View Previous / Next Bag • Image Archive • Baggage Counter
- Date/Time, Model Display • Adjustable Zoom Preview Window
- TIP (Threat Image Project) • Support Multiple Language • High Definition Image
- Auto High Density Alarm • Image Management • Dynamic Processing
- Green Lead Curtain • Network Interface and Wireless LAN • Shutdown with One Key
- Self-diagnose • 0.7 m Tunnel Extension Table • Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional)
- UPS (Uninterrupted Power Supply) (Optional)

STANDARD FEATURES	SG 6550 A
Tunnel Size	655 x 500 mm
Conveyor Load	170 kg
Conveyor Speed	0.22 m/s
Penetration	32-34 mm steel
Resolution	38 AWG
Film Safety	Guarantee ISO 1600 Film
X-ray Leakage	<0.1 mR/h (1.0 µSv/h)
Monitor	21,5" LCD
Power Consumption	0.8 Kw (max)
Dimension (U)x(G)x(B)	2184 x 965 x 1315 mm

SG 6550 A

ST 16 STANDARD IMAGING PROCESSING TOOLS

- High & Low Gray Enhance
- Gaussian Blur
- Super Enhancement
- Reverse
- Plus 6 kinds Pseudo Color Display
- Log&Exp Trans
- Sharpen
- High Energy
- Gray

COMPLIANCE

- CE COMPLIANT
- DIRECTIVE 2004/108/ EC ELECTROMAGNETIC
- DIRECTIVE 2006/42 / EC MACHINERY
- DIRECTIVE 2006/95 / EC LOW VOLTAGE
- ROHS: EN62321 : 2008

FILM SAFETY

- FILM SAFETY: ISO 1600
- ISO9001 QUALITY MANAGEMENT SYSTEM
- ISO14001 ENVIRONMENT MANAGEMENT SYSTEM
- OHSAS18001 OCCUPATIONAL HEALTH MANAGEMENT SYSTEM

SG 6550 C

- Independent intellectual property rights software inside to ensure smooth operation
- Double lead curtain avoid x ray leakage to ensure people safety
- Different Access Modes in software, can open unlimited sub-account with hierarchical permissions
- Embedded with Wireless LAN, can do remote technical support at any time
- Bi-directional operation allows the system to be incorporated, realize the two-way screening



You can contact us for all our tunnel sizes.

SG 6550 C -STANDARD FEATURES

- Multi-energy Imaging (4 color) • 21.5" LCD Display with Standard PC Keyboard
- View Previous / Next Bag • Image Archive •Baggage Counter •Date/Time, Model Display
- Adjustable Zoom Preview Window • TIP (Threat Image Project) • Support Multiple Language
- High Definition Image • Auto High Density Alarm • Image Management • Dynamic Processing
- Green Lead Curtain •Network Interface and Wireless LAN • Shutdown with One Key
- Self-diagnose • 0.7 m Tunnel Extension Table • Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional) • UPS (Uninterrupted Power Supply) (Optional)

SG 6550 C

22 STANDARD IMAGING PROCESSING TOOLS

- Organics, Inorganic & Mixture Striping
- High & Low Gray Enhance
- Gaussian Blur
- Super Enhancement
- Reverse
- Plus 6 kinds Pseudo Color Display
- Color & Gray
- Log&Exp Trans
- Sharpen
- High & Low Energy
- Fusion

STANDARD FEATURES	SG 6550 C
Tunnel Size	504 x 304 mm
Conveyor Load	100 kg
Conveyor Speed	0.22 m/s
Penetration	32-34 mm steel
Resolution	38 AWG
Film Safety	Guarantee ISO 1600 Film
X-ray Leakage	<0.1 mR/h (1.0 μSv/h)
Monitor	21,5 " LCD
Power Consumption	0.8 Kw (max)
Dimension (U)x(G)x(B)	1846 x 785 x 1200 mm

COMPLIANCE

CE COMPLIANT

DIRECTIVE 2004/108/ EC ELECTROMAGNETIC

DIRECTIVE 2006/42 / EC MACHINERY

DIRECTIVE 2006/95 / EC LOW VOLTAGE

ROHS: EN62321 : 2008

FILM SAFETY

FILM SAFETY: ISO 1600

ISO9001 QUALITY MANAGEMENT SYSTEM

ISO14001 ENVIRONMENT MANAGEMENT SYSTEM

OHSAS18001 OCCUPATIONAL HEALTH MANAGEMENT SYSTEM

SG 100x100 C

Scan oversize objects

Typical Steel penetration 34mm

Designed to thwart the cleverest attempts at hiding weapons, drugs, stolen goods and other contraband, 100100 X-ray Security System is ideal for screening everything from over size packages to oddly shaped items and palletized loads.

- Independent intellectual property rights software inside to ensure smooth operation
- Excellent image presentation through 22 optimized imaging processing tools
- Different Access Modes in software, can open unlimited sub-account with hierarchical permissions
- Rugged roller conveyor for loads up to 250 kg when evenly distributed

ADVANTAGES

- With equipment to save electricity
- Famous brand spare parts:
- Spellman brand generator from the USA;
- Hamamatsu brand detector from Japan;
- Interroll brand Roller from German;
- Protective cover on lead curtain to avoid lead pollution;
- Sound and light alarm;
- Local network supported;

APPLICATIONS

- Commercial buildings;
- Factories(to find needle in clothing, shoes, bags)
- Courthouses;
- Embassies;
- Government buildings;
- Military installations;
- Prisons;
- Mail Rooms
- Hotels;
- Schools;
- Convention centers;
- Security checkpoint

Excellent system for airport, train station, bus station as well as security-sensitive corporate environments

STANDARD FEATURES

STANDARD FEATURES	SG 100x100 C
Tunnel Size	1005 x 1000 mm
Conveyor Load	250 kg
Conveyor Speed	0.22 m/s
Penetration	32 - 34 mm steel
Resolution	38 AWG
Film Safety	Guarantee ISO 1600 Film
X-ray Leakage	<0.1 mR/h (1.0 μSv/h)
Monitor	21,5 " LCD
Power Consumption	0.8 Kw (max)
Dimension (U)x(G)x(B)	3625 x 1305 x 1852 mm



STANDARD FEATURES

- Multi-energy Imaging (4 color) • 21.5" LCD Display with Standard PC Keyboard • View Previous / Next Bag
- Image Archive •Baggage Counter •Date/Time, Model Display •Adjustable Zoom Preview Window
- TIP (Threat Image Project) • Support Multiple Language • High Definition Image • Auto High Density Alarm
- Image Management • Dynamic Processing • Green Lead Curtain •Network Interface and Wireless LAN
- Shutdown with One Key • Self-diagnose • 0.7 m Tunnel Extension Table • Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional) • UPS (Uninterrupted Power Supply) (Optional)

ST 22 STANDARD IMAGING PROCESSING TOOLS

- Organics, Inorganic & Mixture Striping • Color & Gray • High & Low Gray Enhance
- Log&Exp Trans • Gaussian Blur • Sharpen • Super Enhancement • High & Low Energy
- Reverse • Fusion • Plus 6 kinds Pseudo Color Display

COMPLIANCE

CE COMPLIANT

DIRECTIVE 2004/108/ EC ELECTROMAGNETIC

DIRECTIVE 2006/42 / EC MACHINERY

DIRECTIVE 2006/95 / EC LOW VOLTAGE

ROHS: EN62321 : 2008

FILM SAFETY

FILM SAFETY: ISO 1600

RADIATION SAFETY CERTIFICATE

ISO9001 QUALITY MANAGEMENT SYSTEM

ISO14001 ENVIRONMENT MANAGEMENT SYSTEM

OHSAS18001 OCCUPATIONAL HEALTH MANAGEMENT SYSTEM

Polimek Technology is everywhere

EGEPEN



İZMİR TRAMVAYI



İZMİR ATATÜRK
KAPALI SPOR SALONU



VOSMER



AKHISAR BELEDİYESİ



MİSTRAL



Time and Attendance Systems
Access Control Systems,
Guard Tour Control Systems,
Pedestrian Turnstiles & Gates,
Vehicle Access Control Systems
X-Ray Baggage Scanner,
Metal Detectors

Polimek



Metal Detectors

Metal detectors are among the most important elements of security systems together with x-ray baggage scanner.

They will detect metallic objects on people passing through the detector, such as knives, weapons etc.

Their level of detection sensitivity can be adjusted to meet varying threats.

We can categorize on two type. Walk-through metal detectors and hand held scanner.

Walkthrough metal detectors with the panel on the sides dividing human body by the equal parts and search for whether there is any metal or not.

The alarm level can be set according to the density of the metal.

Walkthrough metal detectors starting from 6 zones; can be up to 45 regions of the body part. The devices has waterproof and fire prof models.

Hand detectors are used to scan the person passing through the detector. The hand held detector has different models, either charged or battery powered.

SG-6006

The SG-6006 features the advanced multiple targets pinpointing technology with uniform distribution 6 detection zones, quick, accurate analysis for the weapon and other suspicious, indicating with alarm if the targets are located on the left, right or center of the body as well as the height in transit.

- Accurate Pinpointing of the individual and Multiple Metal Targets
- Unmatched Anti-interference Performance
- Full-module design for easy and rapid Assembly
- Bi-directional detection and counter
- Password protection operated by authorized operators only
- High discrimination and throughput
- Rich practical optional features for your selection
- No harm to human body with heart pacemaker, pregnant women, etc.

TECHNICAL PARAMETERS

Sensitivity Level	: 255 grades (adjustable)
Distinct Sensitivity Level	: 400 grades (adjustable)
Power Consumption	: <30 W
Sensitivity Grade	: High, middle, low
Vertical Channel Size	: 2000 x 710 mm
Vertical Dimension	: 2200(H) x 850(W) x 500(D)mm
Working Voltage	: AC 220V, 50-60 Hz
Working Environment Temperature	: -20°C~+45°C
Pass Through Rate	: Over 60 people per minute



COMPLIANCE

- Comply with CE, RoHS, FCC certificate, strictly follow the standard of EN60950, EN50081-1, GB15210-2003
- ISO9001 Quality Management System, ISO14001 Environment Management, System, OHSAS18001 Occupational Health Management System

SG-3306

Smartguard SG 3306 walk through metal detector; with 33 different identification zones; it scans the person passing through the detector from head to toe, leaves no dead spots and locates all metals with a high sensitivity setting.

- Accurate Pinpointing of the individual and Multiple Metal Targets
- Unmatched Anti-interference Performance
- Full-module design for easy and rapid Assembly
- Bi-directional detection and counter
- Password protection operated by authorized operators only
- High discrimination and throughput
- Rich practical optional features for your selection
- No harm to human body with heart pacemaker, pregnant women, etc.

TECHNICAL PARAMETERS

Sensitivity Level	: 255 grades (adjustable)
Distinct Sensitivity Level	: 400 grades (adjustable)
Power Consumption	: <30 W
Sensitivity Grade	: High, middle, low
Vertical Channel Size	: 2000 x 710 mm
Vertical Dimension	: 2200(H) x 850(W) x 500(D)mm
Working Frequency Range	: 1-16 bands
Working Voltage	: AC 220V, 50-60 Hz
Working Environment Temperature	: -20°C~+45°C
Pass Through Rate	: Over 60 people per minute



COMPLIANCE

- Comply with CE, RoHS, FCC certificate, strictly follow the standard of EN60950, EN50081-1, GB15210-2003
- ISO9001 Quality Management System, ISO14001 Environment Management, System, OHSAS18001 Occupational Health Management System

SG-1806

The SG-1806 features the advanced multiple targets pinpointing technology with uniform distribution 18 detection zones, quick, accurate analysis for the weapon and other suspicious, indicating with alarm if the targets are located on the left, right or center of the body as well as the height in transit.

Polimek products have CE and ISO9001: 2008 certification.

- Accurate Pinpointing of the individual and Multiple Metal Targets
- Unmatched Anti-interference Performance
- Full-module design for easy and rapid Assembly
- Bi-directional detection and counter
- Password protection operated by authorized operators only
- High discrimination and throughput
- Rich practical optional features for your selection
- No harm to human body with heart pacemaker, pregnant women, etc.

TECHNICAL PARAMETERS

Sensitivity Level	: 255 grades (adjustable)
Distinct Sensitivity Level	: 400 grades (adjustable)
Power Consumption	: <30 W
Sensitivity Grade	: High, middle, low
Vertical Channel Size	: 2000 x 710 mm
Vertical Dimension	: 2200(H) x 850(W) x 500(D)mm
Working Frequency Range	: 1-16 bands
Working Voltage	: AC 220V, 50-60 Hz
Working Environment Temperature	: -20°C~+45°C
Pass Through Rate	: Over 60 people per minute



COMPLIANCE

- Comply with CE, RoHS, FCC certificate, strictly follow the standard of EN60950, EN50081-1, GB15210-2003
- ISO9001 Quality Management System, ISO14001 Environment Management, System, OHSAS18001 Occupational Health Management System

SG-3308

Smartguard SG 3308 walk through metal detector; with 33 different identification zones; it scans the person passing through the detector from head to toe, leaves no dead spots and locates all metals with a high sensitivity setting.

- Accurate Pinpointing of the individual and Multiple Metal Targets
- Full-module design for easy and rapid Assembly
- Password protection operated by authorized operators only
- Rich practical optional features for your selection
- Unmatched Anti-interference Performance
- Bi-directional detection and counter
- High discrimination and throughput
- No harm to human body with heart pacemaker, pregnant women, etc.

TECHNICAL PARAMETERS

Sensitivity Level	: 500 grades (adjustable)
Distinct Sensitivity Level	: 1000 grades (adjustable)
Power Consumption	: <20 W
Security Detection Program	: 60(built-in)
Pass Through Rate	: 0.4/s~1.2m/s
Working Frequency Range	: 1-16 bands
Vertical Channel Size	: 2000 x 710 mm
Vertical Dimensions	: 2210(H) x 880(W) x 670(D)mm
Working Voltage	: 100-240VAC, 50-60 Hz
Working Environment Temperature	: -10°C~+45°C
Packing	: 2290x330x770mm/ctn
N.W/G.W	: 55kg/68kg
Wooden case is optional	



COMPLIANCE

- Comply with CE, RoHS, FCC certificate, strictly follow the standard of EN60950, EN50081-1, GB15210-2003
- ISO9001 Quality Management System, ISO14001 Environment Management, System, OHSAS18001 Occupational Health Management System

SG-2402 (Waterproof)

High-Strength Materials, Water-proof, Fireproof. Anti-Corrosion. Shockproof, Real-Time Environment Interference Monitor. Achieved a number of patents and copyright certificates on the material, the appearance, and the software copyright.

Up to Standards:

EN60950 • EN50081 • GB15210-2003 • CE
ISO14001 • ISO9001 • OHSAS18001 • CE

SCOPE OF APPLICATION

- Airports • Public buildings • Schools • Special events such as concerts, sports organizations etc. • Nuclear Facilities
- Transport Terminals • Courthouse • Historical Ruins • All Shopping Centers and Bazaars • Hotels • Prisons
- Public transport • Entertainment places • Stadiums

TECHNICAL PARAMETERS

Working Voltage	: 90 V-240 V/AC
Working Frequency	: 1-100 bands
Power Consumption	: 12 W
Working Environment Temperature	: -20°C - 65°C
External Dimensions	: 2230 mm (Y) x 1080 mm (W) x 500 mm (D)
Vertical Channel Size	: 2000 mm x 700mm
N.W/G.W	: 55 Kg/66 kg
Highest Standard	: Metal size ≥ 6g
Carton Packing size	: 2406 x 532 x 600 mm
Sensitivity Level	: 100



SG 101 H



- Modern appearance, small and slim, easy to carry and operate, convenient and no adjustment required.
- High sensitivity handheld metal detector
- Battery low voltage indicator light; When the battery is insufficient the yellow light on the side turns on and reminds you to charge or replace the battery on time.
- Saving electricity, 250 MA, the battery can work more than 40 hours continuously; when dropping to about 7 V, 9 V detection range does not change.
- Two optional alarm modes: LED lamp alarm or vibration alarm.
- Light weight, large detection area, fast detection;
- There are two sensitivities, high and low selection;
- Plug that can be plugged into the socket: after the installation of rechargeable batteries, when fully charged can be placed directly inside the machine;
- It has strong impact resistance, solid and durable, free from 1 meter height without damage has fall.

SG-4500 S

The Best Multizone Security System SG-4500 S Walk Through Metal Detector (Waterproof)

- Superior target detection with unmatched discrimination of harmless items such as coins, jewelry, keys, cigarette packs, etc.
- The ultimate in safety, throughput and reliability with preset programs to cover the most complete range of security applications including the new Enhanced Metal Detector (EMD) required for all airport installations.
- Multi-dimensional coil design (45 distinct pinpoint zones) provides superior detection and location of guns, knives and other flat and rod-shaped weapons regardless of orientation.
- Circuitry with advanced Digital Signal Processor (DSP) technology locates even small, hard-to-find, floor level weapons.
- Individual zone boost adjustments allow for customization of detection characteristics and/or compensation for metallic environmental challenges.
- Durable, IP 55 weather-proof construction.
- Can be connected to the PC for the communication
- With REMOTE
- Have the interface for the CCTV, Monitor

TECHNICAL PARAMETERS

Work environment	: -20 °C -- + 70 °C
Power Supply	: 220 V/AC; 60 Hz
Power	: <30V
External Dimension	: 2200mm (Y) * 820mm (W) * 550mm (D)
Passageway Dimension:	2000mm (Y) * 700mm (W) * 550mm (D)
Standard	: GB15210-2003



EXAMINING STANDARD

- Electrical Equipments standardized by EN60950.
- Radiation standardized by EN50081-1.
- Anti-interference standardized by EB50082.
- Execute the standard of National Standard of Metal Detector

SG 3003-B1

Detail

Simple and convenient to use Sound and vibration alarm
Rechargeable
Adjustable Sensitivity

Feature

1. Highly sensitivity.
2. Simple and convenient to use, no adjustment is required.
3. The detection distance will not be changed when the battery voltage drops 9V- 7V.
4. Low power consumption, can work for 40 hours continuously.
5. There is automatic and continues alarm when the battery is used up.
6. With external rechargeable socket hole.
7. Alarm: sound and vibration alarm.

Detection Range

- A. 38 Caliber hand gun : 150-200mm
- B. Pen Knife : 100-150mm
- C. Razor Blade : 50-100mm

Technique Data

Battery Charge : 9V Standard or rechargeable battery
Alarm Model : Audible and visual or buzzer and vibration
Dimension of Unit : 410 * 85 * 45 mm
Export Packing Size : 430 * 102 * 50 mm
Export Packing Weight : 0.435 kg
Net Weight : 0.345k



VEHICLE ACCESS CONTROL Systems

Vehicle access control systems are indispensable of access control systems. Arm barriers, mushroom barriers and road blockers can easily be used in many places where safety and controlled transitions are desired. Vehicle access control systems include;

- Arm barriers
- Mushroom barriers and
- Road Blockers.

Arm barriers are especially suitable for residential areas and public areas, and are compatible with all kinds of access control systems such as cards, rfid tags, remote controls and buttons. Mushroom barriers and road blockers are also used in public areas where a high level of security is required.

PL 4000 T

TECHNICAL SPECIFICATIONS

Body Dimensions	260 x 213 x 1007 (height) mm
Body Material - Finish	Galvanised steel – electrostatic powder coated
Body Color	Melon (RAL 1028)
Interior Access	By locked lid
Net Passage Width	Up to 4.0 mt.
Boom Material	Aluminium
Boom Color	White (RAL 9010)
Power Supply	230 V AC 60/50 Hz. (%±10)
Consumption	300 W
Absorption	15A
Torque	200 Nm
Type of Operation	Electromechanical
Installation Direction	Left – Right adjustable
Speed	2 - 6 sec.
Manual Control	By release lock
Operating Temperature	-20°C/+55°C (Opt.. -50°C with heater positive), %95 non-condensing



PL 6000 T

TECHNICAL SPECIFICATIONS

Body Dimensions	450 x 232 x 1077 (height) mm
Body Material - Finish	Galvanised steel – electrostatic powder coated
Body Color	Melon (RAL 1028)
Interior Access	By locked lid
Net Passage Width	Up to 6.5 mt.
Boom Material	Aluminium
Boom Color	White (RAL 9010)
Power Supply	230 V AC 60/50 Hz. (%±10)
Consumption	300 W
Absorption	15A
Torque	200 Nm
Type of Operation	Electromechanical
Installation Direction	Left – Right adjustable
Speed	4 - 8 sec.
Manual Control	By release lock
Operating Temperature	-20°C/+55°C (Opt.. -50°C with heater positive), %95 non-condensing



Road Blocker

RB		Number of Pistons	H = 60 cm	H = 90 cm
X	BLOCKER CABINET		L x W x D (mm)	L x W x D (mm)
1,0 mt	BLOCKER CABINET	Single	1275 x 1170 x 975	1680 x 1170 x 1270
1,5 mt		Single	1275 x 1670 x 975	1680 x 1670 x 1270
2,0 mt		Single	1275 x 2170x 975	1680 x 2170x 1270
2,5 mt		Single	1275 x 2670 x 975	1680 x 2670 x 1270
3,0 mt		Single	1275 x 3170 x 975	1680 x 3170 x 1270
3,5 mt		Optional	1275 x 3670 x 975	1680 x 3670 x 1270
4,0 mt		Optional	1275 x 4170 x 975	1680 x 4170 x 1270
4,5 mt		Double	1275 x 4670 x 975	1680 x 4670 x 1270
5,0 mt		Double	1275 x 5170 x 975	1680 x 5170 x 1270
5,5 mt		Double	1275 x 5670 x 975	1680 x 5670 x 1270
6,0 mt		Double	1275 x 6170 x 975	1680 x 6170 x 1270
6,5 mt		Double	1275 x 6670 x 975	1680 x 6670 x 1270



Power: Standard 380V 3-Phase 50/60 Hz, 3,3 - 5,5 kVA motor (varies depending on blocker size). Opt. 220v, 110V 1-Phase 50/60 Hz; or 24V DC (for some models/sizes only).

Control Pack: 24V DC powered and PLC control unit is placed in power unit cabinet. Solenoids 24V DC (Ops.12V DC / 220V AC)

Speed: Standard Operation ~4 - 6 sec. (ascend/descend) (opt. 2,5 - 4 sec.) depending on unit dimensions. Emergency raise up (upwards) by optional hydraulic accumulator ~1,5 sec. and may vary depending on unit dimensions.

IP Rating: IP 55 - Hydraulic Power Unit, IP 67 - Electronics (optional), protection with housing/box, IP 68 - Hydraulic Piston

Crash / Impact Rating: Designed and produced to withstand M50 P1 (K-12).

Axle Load Resistance: 50T

Hydraulic Cylinder Unit: Heavy duty, electrostatic powder coated, dust sealed hydraulic cylinder. Models between 1- 4 meter widths contain a single piston. (Double piston versions are optionally available for models 3,5 & 4 meter widths). Models between 4,5 - 6,5 meter widths contain double pistons. Cylinder unit features a safety valve against leakage and hose failure.

Hydraulic Power Unit: - Strengthened industrial pump,
 - 60 lt oil tank capacity with magnetic metal collector and particle filter.
 - Built-in oil level and temperature indicator,
 - 70-80 Bar pressure; maximum running pressure is 120 Bar
 - 10 mt R2 (double wire braided mesh) reinforced hydraulic hose.

System: Down, Up, Emergency and external sensor inputs/outputs (e.g. Loop Detector, Beam Detector, Signalization, Remote Control, etc.). System alerts with an audio signal during lowering and raising operation. A loud siren output in case of alarm or emergency. Can be lowered or raised automatically in case of emergency (User's preference). Can be lowered and raised manually in case of power failure or during the maintenance service with manual pump and manual valve feature.

Hydraulic Bollard



Power: Standard 380V 3-Phase 50/60 Hz, 2,2-5,5 kW motor (depending on the number of bollards in the set to be fed). Opt. 220V, 110V 1-Phase 50/60 Hz; or 24V DC (for some models/sizes only).

Control Pack: 24V DC powered and PLC control unit is placed in power unit cabinet. Solenoids 24V DC (Ops.12V DC / 220V AC)

Speed: Standard Operation ~2,5 - 5 sec. (ascend/descend, depending on the number of bollards in the set to be fed). Emergency raise up by optional hydraulic accumulator ~1,5 sec.

IP Rating: IP 55 - Hydraulic Power Unit, IP 67 - Electronics (optional), protection with housing/box, IP 68 - Hydraulic Piston

Crash/Impact Rating: Designed and produced to stop a vehicle weighing 6800 kg and travelling with 30 miles/hr according to ASTM 2656-07 standard at M30 (K-4) level.

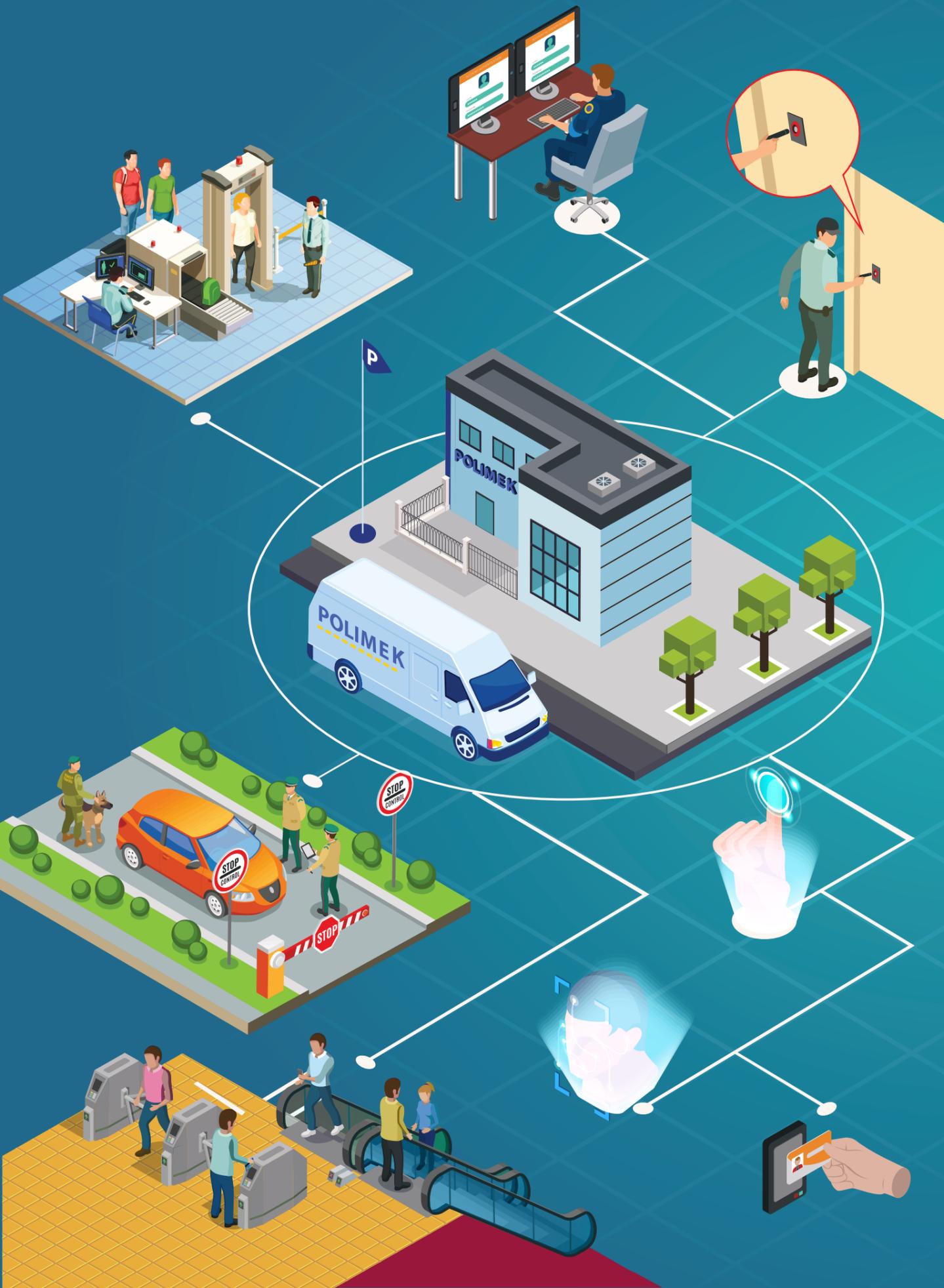
Axle Load Resistance: 50T

Hydraulic Cylinder Unit: Heavy duty, double acting 40 mm diameter, honed at H9 quality pipe, dust sealed hydraulic cylinder.

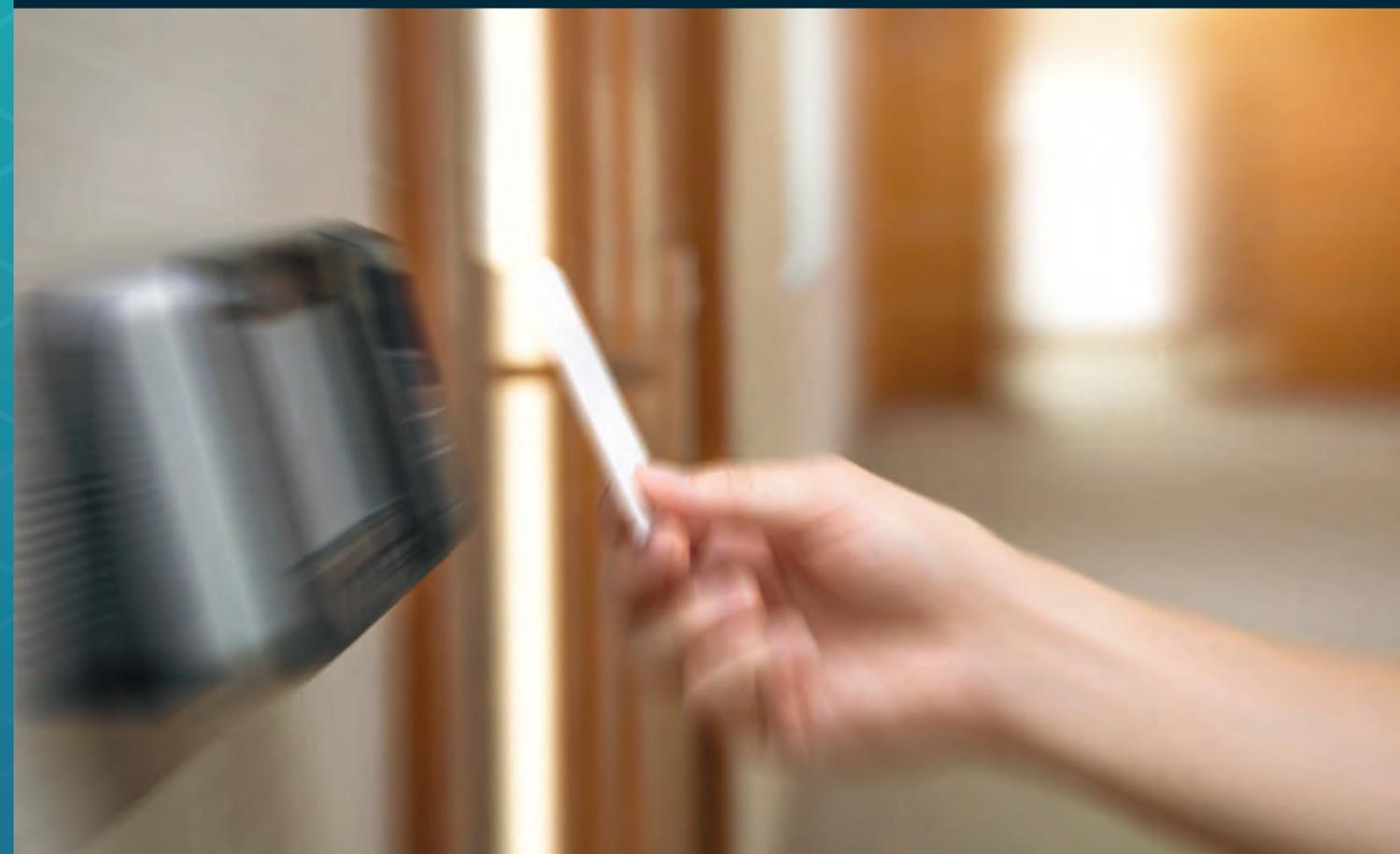
Hydraulic Power Unit : Strengthened industrial pump, 45-60 lt (depending on the number of bollards in the set to be fed) oil tank capacity with magnetic metal collector and particle filter. Built-in oil level and oil temperature indicators with low oil level warning. 30-80 Bar pressure (depending on the number of bollards in the set to be fed); 10mt R2 (double wire braided mesh) reinforced hydraulic hose. Interconnecting hoses for multiple bollard installations will be supplied.

System: Down, Up, Emergency and external sensor inputs/outputs (e.g. Loop Detector, Beam Detector, Signalization, Remote Control, etc.). System alerts with an audio signal during lowering and raising operation. A loud siren output in case of alarm or emergency. Can be lowered or raised automatically in case of emergency (user's preference, optional at no cost), programmed to stop as standard. Can be lowered and raised manually in case of power failure or during the maintenance service with manual pump and manual discharge feature. Automatic raise up mode deploys (optionally with synchronized loop detector) the bollard after the vehicle has passed over.





DOOR LOCK SYSTEMS



PL 12 Waterproof Card Reader

Card Capacity	3000-10.000
Dimension	160x43x21 mm
Verification Mode	Pin, ID Card, pin+ID Card
Operating Voltage	12V DC
Relay Current	<1.5 A
Current	<60mA
Maximum Card Reading Distance	5-10 cm
Card Type	Proximity / Mifare



PL 15 Card Reader

Card Capacity	800
Dimension	115x60x16 mm
Verification Mode	Pin, ID Card, pin+ID Card
Operating Voltage	2V DC
Relay Current	<1.5 A
Current	<60mA
Maximum Card Reading Distance	7 cm
Card Type	Proximity / Mifare



QP 110

Card + Password Capacity	2000
Log Capacity	-
Card	125 KHz
Communication Portal	Stand-alone
Relay	Yes
Ringtones	Yes
Password	Yes
Rear Led Light	Yes
Operating Voltage	12 V DC
Protection	IP 68



ELECTROMECHANICAL LOCK

- Electric door lock striker
- Suitable for metal and wooden doors, Durable body structure, It is suitable for Access systems



Working Principle	Locked without power (fail secure)
Working Voltage	12 V DC
Current drawn	250 mA
Durability	360 kg
Body	Zinc - aluminum alloy
Mobile Language	Zinc - aluminum alloy
Pediment	Stainless steel
Language Movement Distance	3 mm
Key Status Monitor Contact	No

SELENOID LOCK

- 12 V DC
- Fail Safe



SELENOID GLASS DOOR LOCK

- 12 V DC
- Fail Safe



ELECTROMAGNETICAL LOCK

Can be used in all door types, including glass doors.

Working Principle	Locked when there is energy (fail safe)
Current drawn	480 mA @ 12 VDC ; 240 mA @ 24 VDC
Working Voltage	12 - 24 V DC
Durability	545 kg
Body	Satine Aluminum
Max. Holding Range	3 mm



EMERGENCY EXIT BUTTON

- Double relay



EXIT BUTTON

- Stainless Steel
- Single relay
- No, COM



LARGE EXIT BUTTON

- Stainless Steel
- Single relay



SURFACE MOUNTED EXIT BUTTON

- Stainless Steel
- Double relay
- No, COM



BUTTON WITH KEY

- NO, NC, COM 6 PIN



MUSHROOM HEAD BUTTON

- Emergency Stop Button
- 1 NO 1 NC / 2 NO 2 NC



NO TOUCH BUTTON

- 3A /12-24 V DC





COVID-19
HYGIENE
PANDEMIC
PRODUCTS

COV-800

- Ideal solution for mandatory hygiene needs.
- Thermometer and thermal camera adaptability.
- Compatible with all access control systems.

Power: 110/220 V – 60/50 Hz AC (% ± 10), 24 V DC.
 ~4,4W (turnstile), ~1,8W (sanitizer unit)at stand-by.
 ~12W (turnstile), ~33W (sanitizer unit) max. during passage.

General Dimensions: 750 x 1263 x 293 + 470 (arm length)mm

Body Features: 304 grade (opt. 316 grade) stainless steel with orbital brushed matt (opt. satin brushed) pattern, 316 grade stainless steel sanitizer compartment.

Arms: Ø40 x 2 mm 304 grade (opt. 316 grade) stainless steel. Arms can be dismantled or mounted one by one separately.

Sanitizer Liquid Capacity: 5 + 5 Lt two tanks (optional expandable capacity, tanks of different sizes and volumes can be used).

Indicators: Status and top passage indicators are available as standard. Status indicators: Green arrow-red cross indicating the status of the turnstile. Top passage indicators: At stand-by, if there is a card reader system, scan card indicator on indicator panel flashed green and turns to permanent green upon an approved card scan. If there is a temperature detection system, temperature measurement indicator flashes green and turns to permanent green upon an approved measurement. Upon approval from both systems, hand signs starts to flash in green and turns into permanent green upon inserting both hands into sanitizer compartments. Spraying starts and spraying LED's illuminates in blue. At the end of spraying top passage indicator flashes in green until passage completes. Illuminates red, gives audio signal and turnstile will not allow passage.



Control System: Controlled by dry contact or grounding input. Optional RS232/RS485/TCP IP control module is available.

Integration: Compatible with all access control systems that provide dry contact or grounding outputs. Biometric, thermometer and thermal camera can be adapted.

System Features: Besides working as only a hygiene turnstile, can also work with access control systems (thermometer, thermal camera, biometric and card readers). System allows passage of 1 person upon authorization from access control system and after sanitizing his hands. System automatically activates upon inserting hands into the sanitizing compartment made of 316 grade stainless steel and sanitizing process starts. Hands shall be kept inside sanitizing compartment during designated time, upon completion signal at the end of the time hands are pulled out and person completes the passages. System contains easy accessible 5+5 Lt tank area (different liquid amounts may be available with different tank and options if required). Sanitizing liquid is drawn from these tanks by vacuum pumps and sprayed on the hand from multiple points. An alarm (audio-visual) is available for "out of liquid" situation. In such a case, systems gets into OFF mode, status indicators return to red cross and top passage indicators illuminate in red.

Time Out: 2-6-12 seconds or infinite, dipswitch selectable.

Output Data: System provides dry contact passage feedback by relays separately for each direction. System provides busy signal during passage.

Passages: The system grants access authorization for 1 person if the specified instructions are followed, otherwise system goes into alarm mode and restricts access. Besides working as only a hygiene turnstile, can also work with access control systems (thermometer, thermal camera, biometric and card readers). System allows passage of 1 person upon authorization from access control system and after sanitizing his hands. Passage algorithm can be adjusted according to the customers' requirements based on the command received from the sanitizing control unit and/or access control system and thermometer.

Flow Rate:

Capacity of Mechanism

Standard Turnstiles: Max.97 pass/minute, Nominal: 41 persons/minute.

Motorized Turnstiles: Max 48 pass/minute, Nominal: 29 persons/minute.

System allows next passage in less than ~0,3 seconds.

Turnstile with Sanitizer: 15-20 pass/minute.

Compliance: CE, RoHS, TSEK

Options: Automatic drop arm, motor driven unit, remote control units, manual control, counter, card reader pole, photocell alarm sensor, limiter, passive shoesanitizer bottom plate, thermometer, thermal camera.

SG- 20103

Smartguard SG-20103 walk through body temperature and metal detector also has face recognition feature and identification according to contactless body temperature. Detection system with Face ID recognition provides easy use for all users. It solves the abnormal body temperature problem with fast and non-contact scanning.

Temperature targets are used, with high scanning accuracy, to greatly reduce the likelihood of personnel exposure to infection, improve detection and cleaning effectiveness. Dual detection mode for temperature and metal target

- 0.5 ~ 1m Non-contact sensing distance
- Integrated with face recognition for access control
- Audio broadcast for blacklist / whitelist and temperatures
- Support recognition and registration of foreigners' faces
- Harmless to the human body



FACE RECOGNITION READER WITH THERMOMETER	TECHNICAL SPECIFICATIONS
Outer Material	Plastic, metal backing
Processor	4 Core 1.2G
Temperature Detection Distance	0.5 meter
Error Rate	0.5°C
RAM	4G DDR3
ROM	32G eMMC
Camera	200W Pixel HD
Camera Display Screen	Touch Screen
Screen Resolution	854*480
Keyboard	Keyboard Touch
Communication	TCP/IP, WIFI, USB
FRR	<=0.1%
FAR	<=0.001%
Dimensions	154mm x 152mm x 22mm
Power	DC 12V, 2A
Operating Temperature	-15°C to 60°C
User Capacity	3000
Face Capacity	3000

STANDARD FOR TEMPERATURE DETECTION	TECHNICAL PARAMETERS
Display	8 Inch Full Views IPS LCD screen
Infrared Sensing Height	150cm, can detect 1.45-1.85m people
Camera	RGB+Infrared Sensor, 200W Resolution Ratio
CPU/Memory	4RAM/4GB, support 50000 face
Temperature Detection Precision	±0.3°C
Recognition Speed	100ms
Passing Rate / False Accept Rate	99%/0.00001%
User Management	CE, FCC, RoHS, ISO14001-ISO9001-OHSAS18001
Application	Train Station, School, Hospital, Office Building, etc

STANDARD FOR METAL	TECHNICAL PARAMETERS	
Display	LED Digital Display	
Sensitivity Level	200 grades (adjustable)	
Power Consumption	<30W	
Vertical Channel Size	2000 x 710 mm	
Vertical Dimension	2200(H) x 850(W) x 350(D) mm	
Working Frequency Range	1-50 bands	
Panel Material	Fireproofing PVC	
Certificate	CE, FCC, RoHS, ISO14001-ISO9001-OHSAS18001	
Working Environment	Temperature	-20-45°C
	Working Voltage	AC100-240, 50-60 Hz
	Location	Indoor
Warranty	12 months	

DF05T Temperature Face Recognition Reader

Face recognition reader with thermometer is suitable for all your daily access control and entry-exit applications. It can be adapted to the access control or personnel attendance control program you are using.

Thus, while you are making your daily reports, you can measure the temperature of your employees with an infrared camera face recognition reader and help protect public health. The thermal face recognition device can be adapted to all turnstiles with its back apparatus and you can install it anywhere you want. You can continue to work safely and healthily with this system, which is much less expensive than thermal cameras.



Outer Material	Plastic; metal backing
Processor	4 Core 1.2G
Temperature Detection Distance	0.5 meter
Error Rate	0.5°C
RAM	4G DDR3
ROM	32G eMMC
Camera	200W Pixel HD
Camera Display Screen	Touch Screen
Screen Resolution	854 x 480
Keyboard	Touch
Communication	TCP/IP, WIFI, USB
FRR	<=0.1%
FAR	<=0.001%
Dimensions	154mm * 152mm * 22mm
Power	DC 12V 2A
Operating Temperature	-15°C to 60°C
User Capacity	3000
Face Capacity	3000



Accessories



RIBBONS



PERSONEL CARDS



USB CARD IDENTIFICATION (MIFARE-PROXIMITY)



GUARD KEYS



SECURITY POINTS



SILICON BRACELETS



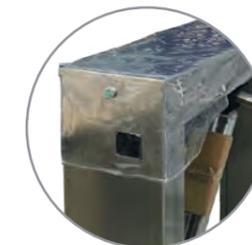
ROLLER BAND (FOR X-RAY)



CABINET DEECTOR STAND



STAINLESS STEEL



TURNSTILE CASE



READER STAND

OUR REFERENCES



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