

O2PN20v3 Elliptic Multi-Detection System

**ANTI-COVID
SECURITY SOLUTION**

ANTI-COVID COMPLIANT SECURITY CHECKPOINT FOR THE AUTOMATIC INSPECTION OF PEOPLE IN TRANSIT

- **NEW HIGH-DISCRIMINATION METALLIC THREAT DETECTION**
 - ▶ Minimum rate of nuisance alarms and secondary checks
 - ▶ High localization accuracy
 - ▶ Display of individual and multiple targets
- **AUTOMATIC HIGH BODY TEMPERATURE DETECTION**
 - ▶ Infrared, visible and multispectral images
 - ▶ Automatic identification of maximum temperature zones
 - ▶ Exclusive integrated thermal calibration system with double reference
 - ▶ Selective measurement on one person only in transit
- **THROUGHPUT CONTROL** with transit direction and completion detection
 - ▶ Multiple optical barriers
 - ▶ Automatic count of transits and alarms
- **OPTIMISED TOUCHSCREEN USER INTERFACE** for managing checks and displaying alerts
 - ▶ Metal and high temperature alarms
 - ▶ Recording of transit and alert data
 - ▶ Integrated tools for advanced search of alarm events
- **STAINLESS STEEL AND TECHNICAL POLYMER CONSTRUCTION** for high performance applications
- **INTEGRATED RADIOACTIVE MATERIAL DETECTION** [Radiation Sensor optional]
- **INTEGRATED CELL PHONE FERROMAGNETIC DETECTION** [MI2™ Sensor optional]



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Threat Detection through Electromagnetics

METAL DETECTION SPECIFICATIONS

QUALITY	Continuous self diagnostic system	
	Proven reliability	
	No periodic re-calibration and preventive maintenance required	
	Fully digital design	
GATE STRUCTURE	State-of-the-art, robust and compact elliptical columns	
	Protected against aging, weather and wear	
CENTRAL CONTROL UNIT	Ergonomic and robust design	
	High visibility alphanumeric display and programming keyboard	
	Made of advanced plastics or stainless steel	
ALARM SIGNALING	VISUAL SIGNALS	Multi-zone display bar for "height on person" localization
		4 light bars with selectable entry/exit and pacing indication
		Green and red metering signals proportional to the mass of the detected target
	AUDIO SIGNALS	10 selectable continuous and pulsed tone plus 34 special tones
		10 selectable sound intensities ranging from 0 to 90 dbA at 1m
TYPE OF SIGNALING	VISUAL	Fixed or proportional to the mass in transit - visible from 6m under lighting of 4000lux
	VISUAL ZONE INDICATION: 60 distinct zones (20 vertical x 3 lateral) entry and exit side	
PROGRAMMING	Up to 50 built-in Security Programs	
	Remote via Infrared Remote Control Unit, BT or Ethernet 10/100 base T (option) interface	
	SECURITY LEVEL	International Standard (IS) command Chip card
	Local by Control Unit alphanumeric display and keyboard	
OPERATIONAL FEATURES	Programming and chip card access protected by 3 levels of passwords	
	High discrimination and transit flow rates five or more times greater than other metal detection systems	
	Quick reset time as short as 0.2 seconds for high throughput rate	
	Very high detection speed (up to 15 m/sec.)	
INSTALLATION DATA	Built-in operational functional verification	
	One-touch key reading of inbound, outbound and Security Level Data	
	Automatic synchronisation between two or more metal detectors with distance of down to 5 cm without the use of external cables	
	Automatic Installation function (OTS)	
ENVIRONMENTAL DATA	Power Supply: 100...277V~ ±10%, 47...63Hz, 40 VA typical consumption	
	Operating temperature: -20°C to +65°C (-37°C to +70°C upon request)	
	Storage temperature: -37°C to +70°C	
	Relative humidity: 0 to 95% (without condensation)	

THERMAL DETECTION SPECIFICATIONS

MULTISPECTRAL IMAGE	Visible, 0.4 μm - 0.7 μm
	Infrared 8 μm - 14 μm
VISIBLE TECHNOLOGY	RGB C-MOS
	Resolution 1280 x 800
INFRARED TECHNOLOGY	Bolometric
	Measurement sensitive elements: 19.200
THERMAL ALARM THRESHOLD	Programmable from 34.0 °C to 42.0 °C
ACCURACY	+/- 0.3°C
MEASUREMENT MINIMUM HEIGHT	1.000 mm
MEASUREMENT MAXIMUM HEIGHT	2.050 mm
CALIBRATION	Automatic, by exclusive integrated thermal calibration system with double reference (patented)
WORKING ENVIRONMENT CONDITIONS	15°C - 30°C Relative humidity < 60%

ORDERING CODE

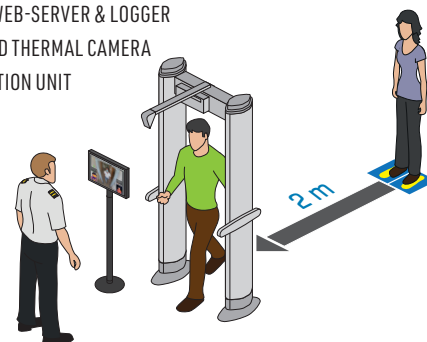
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CONTENT

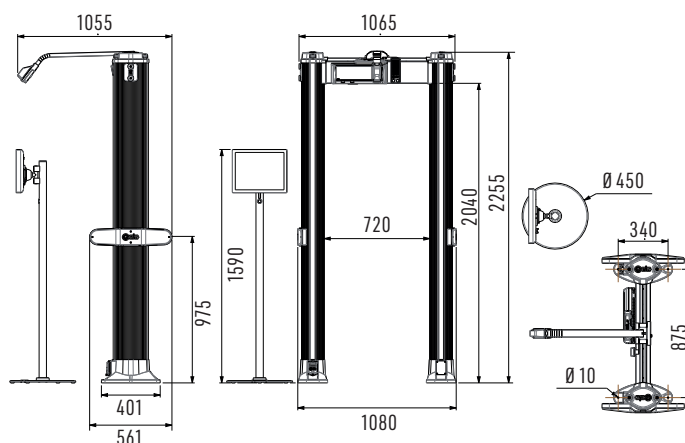
- ▶ METAL DETECTOR GATE
- ▶ APSiM3Plus INTEGRATED WEB-SERVER & LOGGER
- ▶ SUPPORT WITH VISIBLE AND THERMAL CAMERA
- ▶ DUAL GRAY BODY CALIBRATION UNIT
- ▶ KIOSK WITH PC MONITOR

OPTIONS

- ▶ RADIATION SENSOR: CODE 56108
- ▶ FERROMAGNETIC SENSOR: CODE 69723



DIMENSIONS [mm]



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