

[MetoScan CCD-Scanner]



MS - 105
MS - 120
MS - 208
MS - 160 adv.
MS - 260 adv.

Product Highlights

- Excellent scanning performance at an attractive price.
- Up to 60 cm reading distance.
- Up to 450 scans/sec.
- Support 2D symbologies (MS-208&MS-260 adv.).
- PS/2 keyboard wedge cable included.
- MetoScan configuration programme included.
- Suitable for a wide range of applications including retail, warehouses, shipping and receiving.

MetoScan CCD-Scanner

Meto CCD-Scanner

The MetoScan series of Checkpoint Systems offers you a choice of excellent CCD-Scanners for easy and quick reading of barcodes within a close-up range up to a maximal reading distance of 60 cm.



MS - 105

- Superior handling
- Ergonomic design
- Exact decoding within a second
- Exact reading efficiency 5 mil
- Scan width 80 mm
- Reading distance 0 – 80 mm
- Low power consumption (ultra low)
- All-purpose interface connection
- Windows configuration application
- Programme update by Flash Rom memory technology

MS - 120

- Wide reading range up to 250 mm for 12 mil barcodes
- High Speed: 200 scans per second
- For high density barcodes, up to 4 mil
- Easy-to-use
- Reliable reading of barcodes in all types of lighting
- Ergonomic design with a solid case
- Programme update by Flash Rom memory technology
- Adjustable holder - optional
- Windows configuration application
- All-purpose interface connection



MS - 208

- Quick decoding of 2D barcodes – PDF417, Code 16K and more
- Easy-to-handle
- Ergonomic design
- High Speed: up to 220 scans per second
- Exact 4 mil reading capacity
- Scan width 90 mm
- Reading distance 0 – 75 mm
- All-purpose interface connection
- Windows configuration application
- Programme update by Flash Rom memory technology

MS - 160 advanced

- Delivers rapid scans with superior accuracy and extra eligibility
- High performance long-range scanner
- Offers a fast, accurate and cost-effective alternative to laser bar-code scanners
- The durable rubber protects it in harsh environments
- Optional hand-free caddy for retail applications
- Wide range of applications including businesses and professional offices, warehouses, healthcare facilities, laboratories, shipping and receiving and retail outlets.



MS - 260 advanced

- Scans 2-dimensional symbols (PDF417, RSS, Code 16K)
- Scans a full range of bar-code symbologies
- Rapid 450 scans per second
- Is comparable to laser bar-code scanners but at lower cost
- Long range accuracy even in poor conditions
- Perfect for tough industrial environments
- The optional caddy allows hands-free scanning
- Outstanding quality and performance
- Wide range of applications

Intelligent Function of CCD technology

CCD scanners work with LEDs, which project light on the barcode zone.

In this way, the exact image of the barcode will be reflected back to the scanner and transmitted to a special optical chip. This means: The photo cells inside this "CCD-Chip" translate the black and white pattern of the barcode into an electronically decodable signal. This signal will be analysed and compared with the information of each type of code stored in the scanner. Only codes which correspond to the standard will be accepted and passed.

Meto ScanUtility is an auxiliary programme which provides a communication interface with the scanner. Using this interface you can set-up the scanner, download the internal scanner configuration and the standard setting of the scanner to facilitate the set-up.

Convincing advantages of CCD scanners

CCD scanners are ideal for short distance reading and contact zones. CCD scanners offer a wide range of advantages, such as:






- Cheaper than laser scanners
- More lightweight and robust than laser scanners
- Easy-to-handle
- The reading of different code densities is possible
- Suitable for scan applications outside the contact area.

MS - 105



MS - 208



MetoScan specification					
Light Source	660nm visible red LED			660nm visible red LED	
Optical System	2048 pixel CCD (charged-coupled device)				
Depth of scan field	0-80mm	0-120mm	0-80mm	0-600mm	
Scanning width	80mm	120mm	80mm	160mm	
Scan Speed	50scans/sec	200scans/sec		450scans/sec	
Resolution	0,127mm	0,1mm			
Print Contrast	30% or more				
Scanning Angle	Front: 60°; Rear: 60°; Yaw: 75°				
Decode capability	all standard 1D barcodes		all standard 1D and 2D	all standard 1D	all standard 1D and 2D
Beeper operation	7 tones or no beep				
Indicator	green LED (good read control setable)				
Length	182mm			164mm	
width of Handle/Scanhead	26mm/90mm	26mm/74mm	26mm/90mm	30mm/78mm	
Depth of handle/Scanhead	51mm/35mm			56mm/35mm	
Weight (cable not included)	155g	160g	155g	176g	
Cable keyboard wedge	straight 2,0m			coiled 2,5m	
Cable universal type	straight 2,3m			coiled 2,5m	
Connector type	RJ-45 phone jack connector				
Case material	ABS plastic				
Input Voltage	5VDC +/- 0,25V				
Power - operating	380mW	1.275mW	750mW	1.275mW	800mW
Power - Standby	240mW	600mW	500mW	600mW	350mW
Current - operating	76mA @ 5V DC	255mA @ 5 VDC	150mA @ 5VDC	160mA @ 5VDC	
Current - Standby	48mA @ 5VDC	120mA @ 5VDC	100mA @ 5VDC	70mA @ 5VDC	
Current - Sleep mode	25mA @ 5VDC				
Listings	CE, UL, FCC Class A				
Operating temperature	0°C to 45°C			0°C to 50°C	
Storage temperature	-40°C to 60°C			-20°C to 70°C	
Humidity	5% to 90% relative humidity, non-condensing				
Light level	up to 15.000Lux	Up to 60.000Lux	up to 15.000Lux	Up to 70.000Lux	
Programming method	manually by Programming manual or by MetoScan Utility Configuration programm (requires RS-232 connection) Firmwareupdate by build-in flash memory				
Programmable characteristics	Code type selection, check digit selection, Transmitted character delay, header selection, trailer selection, message suffix, good read beep tone and volume, scanner trigger selection, keyboard emulation type, serial interface type				

Austria +43 1 6 16 2411; Belgium +32 15 287 200; Czech Republic +42 024 491 0194; Denmark +45 44 84 1 444; Finland +35 895 123 450; France +33 1 30 47 30 47; Germany +49 6252 7030; Hungary +36 2652 5570; Italy +39 02 90 3551; The Netherlands +31 30 60 94 111; Norway +47 22 90 33 00; Poland +48 61 8462 300; Portugal +35 12 19 89 7200; Slovakia +421 2 456 40 351; Spain +34 93 745 4800; Sweden +46 850 65 66 00; Switzerland +41 1 744 58 00; UK +44 13 44 70 1 200.