

Handheld Laser Scanner

MD2230+/MD2250+

1D



- Read all common 1D barcodes
- Ergonomic and stylish design
- Infrared auto-induction
- Minimum resolution: 3 mil (MD2230+), 5 mil (MD2250+)
- IP52 ensures high reliability and durability
- Withstand over ten million times' button press
- Withstand multiple 4.0 m (13.1 ft.) drops to concrete
- Compatible with all POS systems
- Easy firmware upgrade



MD2230+/MD2250+ Specifications

Dimensions	H × W × D: 82 mm × 67 mm × 168 mm	
Weight	168 g, without cable	
Cable	Straight 2.0 m	
Connector Type	RJ-45 phone jack connector	
Case Material	PC + TPU	
Indicator	Beeper, LED	
Interface Supported	Keyboard wedge, RS-232, USB Keyboard, USB virtual COM	
Operating Mode	Hand-held, Auto-detection (optional)	
Programming Method	Manual (reading special barcode)	
Firmware Upgrade	Online	
Input Voltage	5 VDC ± 0.25 V	
Power	500 mW (operating); 650 mW (maximun)	
Current	100 mA (operating); 130 mA (maximun)	
Standby Current	<250 μ A	
Laser	645-660 nm laser diode	
Decoding Rate	200 times/sec	
Scanning Angle	±60°, ±65°, ±42° (skew, pitch, roll)	
Print Contrast	15% minimum reflection difference	
Decoding Capability	All major 1D symbols including GS1 DataBar	
Decoding Depth	MD2250+ (Long Range)	MD2230+ (High Density)
	5 mil: 40 - 110 mm	3 mil: 5 - 50 mm
	10 mil: 10 - 280 mm	10 mil: 10 - 85 mm
	13 mil: 15 - 315 mm	13 mil: 10 - 150 mm
	16 mil: 25 - 385 mm	16 mil: 25 - 165 mm
	35 mil: 145 - 630 mm	35 mil: 145 - 295 mm
Temperature	-20°C to 55°C / -4°F to 131°F (operating); -40°C to 70°C / -40°F to 158°F (storage)	
Humidity	5% to 95% (non-condensing)	
Safety	Laser Safety: EN60825-1, Class 1 EMC: EN55022, EN55024 Electrical Safety: EN60950-1	
	Drop Resistance: Multiple 4.0 m (13.1 ft.) drops to concrete Sealing: IP52	

[Notice]: Specifications are subject to change without notice.

