

Explosion Proof Handheld Barcode Scanner

Rugged Intrinsically Safe Bar Code Scanner for Hazardous Area

Technical Specifications



CERTIFICATION



ATEX: II 2G Ex ib IIB T4 Gb IP65; II 2D Ex ib IIIC T130°C Db
CNEX: Ex ib IIB T6 Gb; Ex ibD 21 T85°C

Applications

- Oil & Gas
- Chemical
- Pharmaceutical
- Food & Beverage
- Industrial Automation



Parameter	Specification
Model	XY100_I (Wired)
Type	Explosion-proof barcode scanner
Scanning Method	Two-dimensional image scanning (830 × 640 pixels)
Decoding Ability	Recognizes all standard 1D and 2D barcodes: GS1, PDF417, MICROPDF, MaxiCode, DataMatrix, QR Code, UCC, EAN Composites, Postaos, Aztec
Reading Distance	200 mm / 500 mm (optional)
Scanning Angle	ER Focus: Horizontal 31.6°, Vertical 24.4°
Scanning Speed	Up to 200 / 500 times per second
Wireless Scanning (Optional)	100 m sight range; one base supports 7 scanners via Bluetooth
Serial Port Interface	RS232 (ASCII free agreement), RS485 (ASOI agreement)
Network Port Interface	RJ45 (Ethernet MODBUS_TCP / PROFINET)
Communication Protocols	Modbus RTU, PROFIBUS_DP, MODBUS_TCP, PROFINET
Power Supply	RS232: 5 VDC; RS485: 24 VDC; RJ45: 24 VDC
Operating Temperature	-30 °C to +55 °C
Storage Temperature	-40 °C to +70 °C
Environmental Humidity	0 – 95% RH (no condensation)
Protection Level	IP65

Key Features

- Intrinsically safe & ATEX/CNEX-certified for Zone 1 & 21
- Fast decoding capability reads almost all 1D & 2D barcodes
- High-speed scanning up to 500 times / sec
- Extended far-field scanning (100mil barcode at a 24m)
- Supports RS232; RS485, Modbus RTU, Modbus TCP