PowerScan® LR & XLR

Industrial Bar Code Scanners

Data Sheet

Mechanical

Dimensions
- **Height:** 6.9 cm / 2.7"
- **Width:** 11.2 cm / 4.4"
- **Length:** 18.3 cm / 7.2"

Weight: 301 g / 10.6 oz. (no cable)

Environmental

Temperature Rating
- **Operating:** -30 to 50°C / -22°F to 122°F
- **Storage:** -40 to 70°C /-40° to 158°F

Humidity: 5 to 95% NC

Shock: Withstands multiple drops from 1.8 m / 6' to concrete

Vibration: Meets MIL-STD-810E

Water & Dust: IEC529 rating IP54

Optical

Light Source: Extra Bright 650nm Visible Laser Diode (VLD)

Scan System: Frictionless flexure mechanism

Rate: 37 scans/sec. nominal

Print Contrast Ratio: 25% minimum

Pitch: ±65°

Skew: ±55°

Ambient Light Capability
- **Artificial Light:** 12,900 Lux / 1,200 foot candles
- **Sunlight:** 86,100 Lux / 8,000 foot candles

Depth of Field: See Depth of Field Table below

Decoding Capability (autodiscriminates among)

- UPC/EAN/JAN
- Code 39
- Code 39 full ASCII
- Pharmacode 39
- Code 93
- MSI/Plessey
- Code 128
- Standard 2 of 5
- EAN 128
- Interleaved 2 of 5
- Codabar

Electrical

Operating Voltage: 4 VDC to 14 VDC

Operating Current – nominal
- **Undecoded:** 80mA @ 5 VDC
- **Decoded:** 95mA @ 5 VDC

Idling Current – low power mode: ``50µA @ 5 VDC

Communications

Undecoded:
- Configurable Options

Decoded:
- Multi-interface Modules (interchangeable, AutoSelect™ cable determines active interface): RS-232C, Standard Keyboard Wedge, Wand Emulation and USB/Universal Keyboard Wedge

Safety & Regulatory

Electrical: Complies to Gost R; TÜV; UL; cUL

Emissions: Complies to FCC-A; EN 55022-B BCIQ CNS13438; AS/NZS 3548; VCCI-B

Laser Classification: CDRH Class II (LR); CDRH Class IIIA (XLR); (CAUTION: Laser Light – Avoid direct eye exposure); IEC 60825 Class 2 (LR & XLR)

Restriction of Hazardous Substances: Complies to EU RoHS

Accessories

A: Universal Mount Kit
B: Holster/Fork Lift Mount
C: Scan Stand
D: Take Up Reel

Features:

- Operating range from 15 cm - 11 m / 6" - 36'
- Robust for tough industrial applications
- Flexible and extensive interface capabilities
- Integrated metal tether hook
- Programmable beeper tone, marker beam, and volume
- Variety of flexible mounting and storage accessories available

Depth of Field		
Label Density	Long Range (Decoded, Code 39)	Extra Long Range (Decoded, Code 39)
Paper Labels		
7.5 mil	20 to 33 cm / 8" to 13.0"	
10 mil	18 to 51 cm / 7" to 20.0"	
15 mil	18 to 81 cm / 7" to 32.0"	102 to 152 cm / 3.3' to 5.0'
20 mil	15 to 122 cm / 6" to 4.0'	71 to 183 cm / 2.3' to 6.0'
40 mil	23 to 213 cm / 9" to 7.0'	71 to 366 cm / 2.3' to 12.0'
55 mil	38 to 274 cm / 15" to 9.0'	102 to 457 cm / 3.3' to 15.0'
Reflective Labels		
40 mil	56 to 254 cm / 20" to 8.4'	102 to 457 cm / 3.3' to 15.0'
70 mil	101 to 457 cm / 40" to 15.0'	203 to 762 cm / 6.7' to 25.0'
100 mil	116 to 671 cm / 40" to 22.0'	203 to 1097 cm / 6.7' to 36.0'
Printing resolution, contrast and ambient light dependent		

ISO 9001 Registered

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