

PowerScan® LR & XLR

Industrial Bar Code Scanners



Features:

- Operating range from 6" to 36" / 15 cm to 11 m
- 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

Mechanical

Dimensions

Height: 2.7" / 6.9 cm

Width: 4.4" / 11.2 cm

Length: 7.2" / 18.3 cm

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

Environmental

Temperature Rating

Operating: -22° F to 122° F / -30 to 50° C

Storage: -40° to 158° F / -40 to 70° C

Humidity: 5 to 95% NC

Shock: Withstands multiple drops from 6' / 1.8 m 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: 1,200 foot candles / 12,900 Lux

Sunlight: 8,000 foot candles / 86,100 Lux

Depth of Field: See Depth of Field Table below

Decoding Capability (autodiscriminates among)

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

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 CNSI3438; 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

C: Scan Stand

B: Holster/Fork Lift Mount

D: Take Up Reel

Depth of Field

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

Printing resolution, contrast and ambient light dependent