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PowerScan® Long Range/Extra Long Range Industrial Bar Code Scanner

Ideal For

- Forklift Scanning Applications
- Warehousing & Outdoor Use
- Inventory Control
- Heavy-Duty Manufacturing

Features

- Operating range from 6" / 15 cm to 36' / 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



The Premier Long Range & Extra Long Range Industrial Performance Scanners

The PowerScan LR and XLR scanners have been specifically designed "from the ground up" to meet the demands of tough industrial applications – especially where some labels are scanned up close and others at great distances. The PowerScan LR will read a 10 mil label as close as 7" / 18 cm and a 100 mil reflective label 22' / 6.7 m away. With the XLR model you can read 20 mil labels as close as 28" / 71 cm and 100 mil reflective labels as far away as a whopping 36' / 11 m.

In any long-range application, you can rely on either the PowerScan LR or XLR for fast, accurate bar code reading of both paper and reflective labels. PSC's QuadraLogic™ II decoding software enables users to successfully read most dirty, smudged and damaged labels—labels that were previously considered unreadable.

Dependable In The Harshest Conditions

Even in the harshest working environments, you can depend on the PowerScan LR & XLR to keep on working. Designed to meet the most stringent drop specification in the industry, the scanner will withstand multiple 6.5' / 2 m drops to concrete. The PowerScan scanner has a sealing rating of IP54 which means it can withstand intermittent rain showers and keep on working. PowerScan also operates over a wide temperature range, from - 22° F / -30° C to 122° F / 50° C.

PowerScan LR/XLR Specifications

Mechanical

Dimensions

- 2.7 x 4.4 x 7.2" / 6.9 x 11.2 x 18.3 cm

Weight

- Scanner: 9.9 oz. / 280 g without cable



Optical

Light source

- 650nm Visible Laser Diode (VLD)

Scan system

- Frictionless flexure mechanism

Rate

- 37 scans/sec. nominal

Depth-of-Field Chart – (printing resolution, contrast and ambient light dependent)

Label Density - Paper Labels	Long Range (Decoded, Code 39)	Extra Long Range (Decoded, Code 39)
7.5 mil	8" to 13" / 20 to 33 cm	
10 mil	7" to 20" / 18 to 51 cm	
15 mil	7" to 32" / 18 to 81 cm	3.3' to 5.0' / 102 to 152 cm
20 mil	6" to 4' / 15 to 122 cm	2.3' to 6.0' / 71 to 183 cm
40 mil	9" to 7' / 23 to 213 cm	2.3' to 12.0' / 71 to 366 cm
55 mil	15" to 9' / 38 to 274 cm	3.3' to 15.0' / 102 to 457 cm
Reflective Labels		
40 mil	20" to 8.3' / 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

Print contrast ratio

- 25% minimum

Pitch

- ±65°

Skew

- ±55°

Ambient light immunity

- Artificial light: 1,200 foot candles / 12,900 Lux
- Sunlight: 8,000 foot candles / 86,100 Lux



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



Environmental

Temperature rating

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

Humidity

- 5 to 95% NC

Shock (at 23° C)

- withstands multiple 6.5' / 2 mdrops to concrete

Vibration

- meets MIL-STD-810E

Water & Dust

- IEC529 rating IP54DW



Decoding Capability (autodiscriminates between)

- UPC A, E / EAN 8,13 / JAN 8, 13 (P2 / P5, Code 128 EAN add-ons)

- Code 39
- Codabar
- Pharmacode 39
- Code 39 Full ASCII
- Code 128
- Code 93
- Interleaved 2 of 5
- Standard 2 of 5
- MSI / Plessey



Communications

Undecoded

- Standard and Intermec-compatible
- Multi-interface modules (interchangeable, AutoSelect™ cable determines active interface)
- RS232C / Standard Keyboard Wedge / Wand Emulation
- Universal Keyboard Wedge / RS232*
- IBM 46XX / RS232C

*This RS232 interface only supports RXD and TXD, no control signals are available.



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)



Accessories



P/N: 7-0404

Take Up Reel



P/N: 7-0658

Heated Holder



P/N: 7-0462

Universal Kit



P/N: 7-0430

Holster/Fork Lift



P/N: 11-0060

PowerHood



USE0903