

PowerScan™ LR & XLR

Industrial Bar Code Scanners



Ideal For:

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

Features:

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

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 18 cm / 7" and a 100 mil reflective label 6.7 m / 22' away. With the XLR model you can read 20 mil labels as close as 71 cm / 28" and 100 mil reflective labels as far away as a whopping 11 m / 36'.

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 2 m / 6.5' 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 -30° C / -22° F to 50° C / 122° F.



Specifications

PowerScan™ LR & XLR

Mechanical

Dimensions: 6.9 x 11.2 x 18.3 cm

Weight

Scanner: 280 g without cable

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

Optical

Light source: 650nm Visible Laser Diode (VLD)

Scan system: Frictionless flexure mechanism

Rate: 37 scans/sec. nominal

Depth-of-field: Refer to chart on this page

Print contrast ratio: 25% minimum

Pitch: ±65°

Skew: ±55°

Ambient light immunity

Artificial light: 12,900 Lux / 1,200 foot candles

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

Environmental

Temperature rating

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

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

Humidity: 5 to 95% NC

Shock (at 23°C): withstands multiple 2 m / 6.5' drops 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 128

Codabar

Code 39

Interleaved 2 of 5

Code 39 Full ASCII

Standard 2 of 5

Pharmacode 39

MSI / Plessey

Code 93

Communications

Undecoded: Standard and Intermec-compatible

Multi-interface modules (interchangeable,

AutoSelect™ cable determines active interface):

RS232C / Standard Keyboard Wedge /

Wand Emulation

Universal Keyboard Wedge / RS232C*

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)



Available Mount Options



P/N: 7-0404
Take Up Reel

P/N: 7-0658
Heated Holder

P/N: 7-0430
Holster/Fork Lift

P/N: 7-0462
Universal Kit

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

Label Density Paper Labels	Long Range (Decoded, Code 39) Range	Extra Long Range (Decoded, Code 39) Range
75 mil	20 to 33 cm / 8" to 13"	
10 mil	18 to 51 cm / 7" to 20"	
15 mil	18 to 81 cm / 7" to 32"	102 to 152 cm / 3.3' to 5.0'
20 mil	15 to 122 cm / 6" to 4'	71 to 183 cm / 2.3' to 6.0'
40 mil	23 to 213 cm / 9" to 7'	71 to 366 cm / 2.3' to 12.0'
55 mil	38 to 274 cm / 15" to 9'	102 to 457 cm / 3.3' to 15.0'
Reflective Labels		
40 mil	56 to 254 cm / 20" to 8.3'	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'

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Specifications are subject to change without notice.

Additional information concerning this product or other PSC products

and services can be found at the PSC website: www.pscnet.com;

or contact your PSC representative for more information.



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