

PowerScan™ LR & XLR

Industrial Bar Code Scanners



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.



Specifications

PowerScan™ LR & XLR

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

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

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 m 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
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

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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 web site: www.pscnet.com, or contact your PSC representative for more information.



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