PowerScan™ LR & XLR

Industrial Bar Code Scanners

The Premier Long Range & Extra Long Range Industrial Performance

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 standard 13 mil UPC label as close as 7" / 18 cm and a 100 mil reflective label 22' / 671 cm away. With the XLR model you can read 15 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. Even dust and moisture won't phase it. In fact, the PowerScan LR and XLR scanners have a rating of IP54, which means they meet or exceed the sealing rating of every portable host terminal on the market. And don't worry about weather conditions – the PowerScan LR and XLR scanners operate in bone-chilling blizzards, down to -22°F / -30°C and scorching desert heat, up to 122°F / 50°C.

Ideal for:

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

Features:

- Operating range from 5"/13 cm to 36'/11 m
- Robust for tough industrial applications
- Flexible & extensive interface capabilities
- Positive trigger feedback for gloved hand operation
- Integrated metal tether hook
- Programmable beeper tone & volume
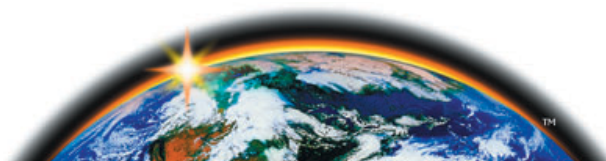- Variety of flexible mounting & storage accessories available

psc™

Specifications
PowerScan™ LR & XLR

PRODUCT

Mechanical

Dimensions: 2.7 x 4.4 x 7.2" / 6.9 x 11.2 x 18.3 cm
Weight
  Scanner: 9.9 ozs. / 280 g
  Cable (32"/81 cm): 6.2 ozs. / 176 g
Cable length option
  Collapsed: 32" / 81 cm,
  Max. Working: 72" / 183 cm;
  Collapsed: 80" / 203 cm,
  Max. Working: 120" / 305 cm
    *(For other cable options, contact your
    PSC sales representative.)*

Electrical

Operating voltage: 4 VDC to 14 VDC
Operating current – nominal
  Undecoded: 95mA @ 5 VDC
  Decoded: 100mA @ 5 VDC
Idling current – low power mode:
  <50μA @ 5 VDC

Optical

Light source: Extra Bright 650nm
  Visible Laser Diode (VLD)
Scan system: Frictionless lifetime
  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 / 12912 Lux
  Sunlight: 8,000 foot candles / 86080 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
Code 93	MSI / Plessey
Pharmacode 39	
BC412 (available upon request)	

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)

Depth-of-Field Chart – (printing resolution, contrast and ambient light dependent)															
		Long Range (decoded, Code 39)						**Extra Long Range** (decoded, Code 39)							
Label Density		*Range*						*Range*							
Paper Labels	7.5 mil	8"	to	13"	/	20	to	33 cm							
	10 mil	7"	to	20"	/	18	to	50 cm							
	15 mil	7"	to	32"	/	18	to	80 cm	3.3'	to	5.0'	/	101	to	152 cm
	20 mil	5"	to	4'	/	13	to	122 cm	2.3'	to	6.0'	/	71	to	183 cm
	40 mil	8"	to	7'	/	20	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'	/	101	to	457 cm
Reflective Labels	40 mil	22"	to	8.3'	/	56	to	254 cm	3.3'	to	15.0'	/	101	to	457 cm
	70 mil	3.3'	to	15.0'	/	101	to	457 cm	6.7'	to	24.0'	/	204	to	730 cm
	100 mil	3.8'	to	22.0'	/	116	to	671 cm	6.7'	to	36.0'	/	204	to	1097 cm

Available Mount Options

P/N: 7-0477 AutoSense®	P/N: 7-0462 Universal Kit	P/N: 7-0404 Take Up Reel	P/N: 7-0430 Holster/Fork Lift

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.