PowerScan™

Industrial Bar Code Scanner

A Tough Tool For Your Toughest Jobs

PowerScan™: Setting a New Standard

The PowerScan family of handheld laser bar code scanners has been specifically designed "from the ground up" to meet the demands of industrial users. In this tough environment, the right tool makes all the difference. With a PSC PowerScan scanner on the job, you'll have one of the toughest, most reliable tools around.

You can rely on the PowerScan scanner for fast, accurate bar code reading, from up close to over 60" / 152 cm away. Even labels previously thought to be un-readable can now be read using PSC's superior decoding software, QuadraLogic™ II. The scanner will autodiscriminate all standard bar code symbologies and automatically adjusts to read a wide range of code densities.

Dependable In The Harshest Conditions

Even in the most harsh working environments, you can depend on the PowerScan scanner 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 inter-mittant rain showers and keep on working. PowerScan also operates over a wide temperature range from -22° F / -30° C to over 122° F / 50° C.

Built To Stand Up To Abuse

Handheld scanners often are dropped and abused, so this scanner has been designed with high impact-resistant material and incorporates protective rubber cushioning at every point of impact. The frictionless scan mechanism and all internal optical components are shock mounted to maintain precise alignment under high shock loads. The scan window is made of shatter-proof material and is diamond coated to resist scratching. Even the replaceable interface cable is protected with an integrated metal strain relief.

Innovative Host Connectivity

The PowerScan scanner has a broad range of communication options using unique multi-interface modules, which allow for connection to most host computer systems. Our AutoSelect™ feature allows you to quickly move between different hosts and applications by simply changing cables. In addition PowerScan's low current draw, combined with its low power mode, make it ideal for use with battery operated terminals.

Ideal For:

- Warehousing & Outdoor Use
- Transportation & Logistics
- Package Distribution
- Electronic Assembly
- Heavy-Duty Manufacturing

Features:

- QuadraLogic™ II decoding software for superior scanning performance
- Multi-interface modules provide ultimate flexible connectivity
- Integrated metal tether hook
- Programmable scan angle, beeper tone, and volume
- Field upgradable flash memory
- Flexible mounting and storage accessories available

Specifications
PowerScan™

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: 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

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 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 39	Codabar
Pharmacode 39	Code 39 Full ASCII
Code 128	Code 93
Interleaved 2 of 5	Standard 2 of 5
MSI / Plessey	BC412 (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;
(CAUTION: Laser Radiation –
do not stare into beam);
IEC 60825 Class 2

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

Label Density - Paper Labels	Standard (Decoded) Range	High Density (Decoded) Range
2.5 mil		1.25" to 2.0" / 3.2 to 5.1 cm
3 mil		1.0" to 2.25" / 2.5 to 5.7 cm
4 mil		1.0" to 3.0" / 2.5 to 7.6 cm
5 mil	3.0" to 6.0" / 7.6 to 15.2 cm	0.7" to 4.0" / 1.8 to 10.2 cm
7.5 mil	2.0" to 10.0" / 5.1 to 25.4 cm	0.5" to 4.5" / 1.3 to 11.4 cm
10 mil	1.0" to 16.0" / 2.5 to 40.6 cm	0.5" to 5.0" / 1.3 to 12.7 cm
15 mil	0.5" to 27.0" / 1.3 to 68.6 cm	
20 mil	0.5" to 36.0" / 1.3 to 91.4 cm	
40 mil	5.0" to 48.0" / 12.7 to 122 cm	
55 mil	6.0" to 60.0" / 15.2 to 152 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.