

PowerScan™ Wireless Industrial Bar Code Scanner

A Tough Portable Tool For Your Toughest Jobs

- **Wireless operation up to 150.0' (45.7 m) away from the base station**
- **Operates up to 8 hours on a single charge**
- **IP54 rating for dust and wind-blown rain**
- **QuadraLogic™ II decoding software for superior scanning performance**
- **Multi-point operation allows for multiple scanner communications to a single base station**



Freedom!

Are restrictive interface cables keeping you from doing business the way you want?

Are you restricted to scanning only in the 25.0' (7.6 m) area around your host terminal? Well, not anymore!

With the PSC PowerScan™ RF wireless scanner, you now have the freedom to go where the work is, not the other way around. Now you only have to take the 27.5 oz. (0.8 kg) PowerScan™ RF scanner to the 500 lb. (227 kg) pallet; not the pallet to the scanner.

Utilizing the latest in Radio Frequency (RF) technology, the PowerScan™ RF has a range of up to 150.0' (45.7 m). This allows you the freedom to scan pallets at the other end of the loading dock or boxes at the end of a warehouse aisle up to 150.0' (45.7 m) from your fork truck. Its unique acknowledgment tone lets you know that your data transmission was successful.

With multi-point capability the PowerScan™ RF allows you to assign multiple scanners to a single base station thereby increasing throughput and reducing the cost of additional base stations and host terminals.

The convenient base/docking station charges the battery every time the scanner is inserted. The PowerScan™ RF can operate up to 8 hours or more on a single charge of the battery pack. However, when the battery charge is low, the PowerScan™ RF alerts you. Changing the battery is a quick 5 second job. An optional gang charger lets you charge up to 4 battery packs at a time.

The base station can be mounted on a counter, a wall or even a fork truck. The uniquely designed latch keeps the scanner in place even if your fork truck is going over floor grates or speed bumps.

Built for Rugged Industrial Environments

The Powerscan™ RF is based on the original PowerScan™ laser scanner, the first scanner designed from the ground up for rugged industrial use. The RF meets the same tough environmental standards such as an IP54 rating for dust and wind blown rain. And a drop specification of 30 six foot (1.8 m) drops to concrete!

All models of PowerScan™ RF have the same rugged features that have made PowerScan™ scanners *the* choice for tough industrial applications.

- High impact enclosure with protective rubber cushioning.
- Frictionless scan mechanism with a limited lifetime warranty.
- Shock mounted optical components.
- Diamond coated, shatter-proof window.
- Flash Memory for easy field upgrades.

4 Different Models To Fit Your Needs

If you need to read small, high density labels at 2" (5.1 cm) or reflective labels at 35' (10.7 m) up on the side of a warehouse storage rack, there is a model for you. The PowerScan™ RF models include High Density (HD), Standard Range (SR), Long Range (LR) and Extra Long Range (XLR). And every model is equipped with QuadraLogic™ II decoding software to read torn, disfigured and poorly printed labels.

Ideal For...

- Warehousing and Shipping/Receiving
- Logistics and Transportation
- Outdoor Applications
- Retail POS



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Depth of field – (printing resolution, contrast and ambient light dependent)											
		Standard Range (decoded)		High Density (decoded)		Long Range (decoded, Code 39)		Extra Long Range (decoded, Code 39)			
Paper Labels	3 mil	N/A		1.0" to 2.0"	(2.5 to 5.1 cm)	N/A		N/A			
	4 mil	N/A		1.0" to 3.0"	(2.5 to 8.0 cm)	N/A		N/A			
	5 mil	N/A		0.8" to 3.8"	(2.0 to 10.0 cm)	N/A		N/A			
	7.5 mil	3.0" to 6.0"	(9.0 to 15.0 cm)	0.6" to 4.5"	(1.5 to 11.0 cm)	8" to 13"	(20 to 33 cm)	N/A			
	10 mil	1.5" to 15.0"	(4.0 to 38.0 cm)	0.2" to 5.5"	(0.5 to 14.0 cm)	7" to 20"	(18 to 50 cm)	28" to 5.0'	(71 to 152 cm)		
	15 mil	1.0" to 25.0"	(2.5 to 64.0 cm)	N/A		7" to 32"	(18 to 80 cm)	28" to 6.0'	(71 to 183 cm)		
	20 mil	1.0" to 35.0"	(2.5 to 89.0 cm)	N/A		5" to 4"	(13 to 122 cm)	28" to 12.0'	(71 to 366 cm)		
Reflective Labels	40 mil	N/A		N/A		8" to 7"	(20 to 213 cm)	3.3' to 15.0'	(101 to 457 cm)		
	55 mil	N/A		N/A		15" to 9"	(38 to 274 cm)	3.3' to 15.0'	(101 to 457 cm)		
	70 mil	N/A		N/A				6.7' to 24.0'	(204 to 730 cm)		
	100 mil	N/A		N/A		3.8' to 22.0'	(116 to 671 cm)	6.7' to 36.0'	(204 to 1097 cm)		

SPECIFICATIONS

MECHANICAL

Dimensions Scanner: 9.4 x 4.0 x 2.8" (23.8 x 10.2 x 7.0 cm)
Base Station: 10.5 x 3.5 x 2.5" (26.7 x 8.9 x 6.4 cm)

Weight Scanner: 12.7 ozs. (363 g)

OPTICAL

Light source Extra Bright
650nm Visible Laser Diode (VLD)

Scan system Frictionless lifetime flexure mechanism

Rate 37 scans/sec. nominal

Print contrast ratio 25% minimum

Pitch ±65°

Skew ±55°

Ambient light immunity
Artificial light: 1,200 foot candles
Sunlight: 8,000 foot candles

DECODING CAPABILITY

(autodiscriminates between)

- UPC/EAN/JAN
- Code 39
- Interleaved 2 of 5
- IATA 2 of 5
- MSI Plessey
- Code 128
- Code 93
- Standard 2 of 5
- Codabar
- EAN128

ELECTRICAL

Voltage

- **Operating** Scanner: 2.4 VDC (NiMh batteries)
- **Input** Base Station: 7.5 VDC to 14 VDC

Operating current - nominal

Scanner: 200mA @ 2.45 VDC (6000 scans per charge)

Input Power Requirements

- **Base Station** US: 110V ± 10%, 60 Hz
Europe: 220V ± 10%, 50 Hz

Battery Charge Time 4 hours (90%),
6 hours (100%)

COMMUNICATIONS

Host

- RS232 Serial
- PC (XT, AT, PS2)
- USB Keyboard
- Advanced Keyboard Wedge (supports over 2,000 PC's and Terminals)
- Wand Emulation
- IBM 46XX

Radio

- **Multi-point operation** up to 8 scanners to one base station
- **Channels** 10 each, software selectable
- **Range** (high power) 150.0' (45.7 m) line of sight
- **Frequency range** US: 902 MHz - 928 MHz
Europe: 433.05 MHz - 434.79 MHz

ENVIRONMENTAL

Temperature rating

- **Operating** 4° to 122° F (-10° to 50° C)
- **Storage** -14° to 140° F (-20° to 60° C)

Humidity 5 to 95% non-condensing

Shock (at 23°C) Scanner: multiple 6.0' (1.8 m),
Base Station: multiple 4.0' (1.2 m) drops to concrete.

Vibration meets MIL-STD-810E

Water & Dust IEC529 rating IP54DW

SAFETY / REGULATORY

Electrical Complies to: TÜV; UL; cUL

Emissions Complies to: FCC-A; EN 55022-B; BCIC CNS 13438; AS/NZS 3548

Laser classification CDRH Class II;
(CAUTION: Laser Radiation – do not stare into beam);
IEC 60825 Class 2

Radio ETSI-ETS-300 220;
FCC Part 15.249

(For a complete list of approvals by country contact your PSC representative)



Specifications are subject to change without notice.
For further information, contact your PSC representative.

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For product information, technical support, answers to frequently asked questions, product documentation, software updates, repair information, and how to contact PSC, visit the PSC Website at: www.pscnet.com

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