

PowerScan™ Industrial Bar Code Scanner

A Tough Tool For Your Toughest Jobs

- **QuadraLogic™ decoding software for superior scanning performance**
- **Environmentally sealed, with the best IP rating of any handheld scanner**
- **Multi-interface modules provide ultimate flexible connectivity**

Ideal For...

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

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" (152cm) away. Even labels previously thought to be unreadable can now be read using PSC's new superior decoding software, QuadraLogic™. The scanner will auto-discriminate all standard bar code symbologies and automatically adjusts to read a wide range of code densities.

Dependable In The Harshes 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' (183cm) drops to concrete.



Even dust and moisture won't phase it. In fact, the PowerScan scanner has a rating of IP54, which means it meets or exceeds the sealing rating of every portable host terminal on the market. And don't worry about weather conditions – the PowerScan scanner operates over a wide temperature range, from below freezing to over 122°F (50°C).

Built Rugged 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, with a limited life-time warranty, 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.

Additional Features

- *Positive trigger feedback for gloved hand operation*
- *Integrated metal tether hook*
- *Programmable scan angle, beeper tone and volume*
- *Field upgradable Flash Memory*
- *A variety of flexible mounting and storage accessories available*



When You Need To Read A Bar Code

PowerScan™ Industrial Bar Code Scanner

SPECIFICATIONS

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"/82,3 cm) 6.2 ozs. (176 g)

Cable length options 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.)

OPTICAL

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

Scan system Frictionless lifetime
flexure mechanism

Rate 35 scans/sec. nominal

Depth of field

(printing resolution, contrast and ambient light dependent)

Paper Labels (decoded)

7.5 mil	3.0 to	6.0"	(9.0 to 15.0 cm)
10 mil	1.5 to	15.0"	(4.0 to 38.0 cm)
15 mil	1.0 to	25.0"	(2.5 to 64.0 cm)
20 mil	1.0 to	35.0"	(2.5 to 89.0 cm)
(paper) 55 mil	6.0 to	60.0"	(15.0 to 152.0 cm)

High Density (decoded)

3 mil	1.0 to	2.0"	(2.5 to 5.1 cm)
4 mil	1.0 to	3.0"	(2.5 to 8.0 cm)
5 mil	0.8 to	3.8"	(2.0 to 10.0 cm)
7.5 mil	0.6 to	4.5"	(1.5 to 11.0 cm)
10 mil	0.2 to	5.5"	(0.5 to 14.0 cm)

Print contrast ratio 25% minimum

Pitch ±65°

Skew ±55°

Ambient light immunity

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

ELECTRICAL

Operating voltage 4 VDC to 14 VDC

Operating current - nominal

Undecoded: 75mA @ 5 VDC
Decoded: 100mA @ 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
six-foot 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** • **MSI / Plessey**
- **Code 39** • **Interleaved 2 of 5**
- **Code 39 Full ASCII** • **Standard 2 of 5**
- **Code 93** • **Codabar**
- **Pharmacode 39**
- **BC412** (available upon request)

COMMUNICATIONS

Undecoded

- **Standard and Intermec-compatible**

Multi-interface modules (interchangeable)

- **RS232C / Standard Keyboard Wedge / Wand Emulation**
- **Universal Keyboard Wedge / RS232***
- **RS232C / IBM 46XX**

(AutoSelect™ cable determines active interface)

*This RS232 interface only supports RXD and TXD, no control signals are available.

SAFETY / REGULATORY

Electrical Complies to: Gost R;
TUV; 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



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

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Part No. R45-2070D 1299

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Printed in U.S.A.
12/99 – 10M

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