A Tough Tool For Your Toughest Jobs

- QuadraLogic™ II 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™ II. The scanner will auto-discriminate all standard bar code symbologies and automatically adjusts to read a wide range of code densities.

Dependable In The Hardest 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. 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
### 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: 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)

**Optical**

- Light source: Extra Bright 650nm Visible Laser Diode (VLD)
- Scan system: Frictionless lifetime flexure mechanism
- Rate: 37 scans/sec.
- Depth of field:
  - Print 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):
    - 3.0 to 2.0" (2.5 to 5.1 cm)
    - 4.0 to 3.0" (2.5 to 8.0 cm)
    - 5.0 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

**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 foot (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 • 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)

**Electrical**

- Operating voltage: 4 VDC to 14 VDC
- Operating current - nominal: 75mA @ 5 VDC
- Decoded: 100mA @ 5 VDC
- Idling current - low power mode: <50µA @ 5 VDC

**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; 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

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](http://www.pscnet.com)

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