PowerScan™

Industrial Bar Code Scanner

Ideal For:

- Warehousing & Outdoor use
- Transportation & Logistics
- Package Distribution
- Electronic Assembly
- Heady-Duty Manufacturing

Features:

- QuadraLogic™ II decoding software for superior scanning performance
- Multi-interface modules provide ultimate flexible connectivity
- Positive trigger feedback for gloved hand operation
- Integrated metal tether hook
- Programmable scan angle, beeper tone, & volume
- Field upgradable Flash Memory
- Flexible moutning and storage accessoires available

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 unreadable 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. 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 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 can 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.

Specifications
PowerScan™

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"/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: 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

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 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
Pharmacode 39	Code 39 Full ASCII
Code 39	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

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

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

Label Density		Standard (decoded) Range	High Density (decoded) Range
Paper Labels	3 mil		1.0" to 2.0" / 2.5 to 5.1 cm
	4 mil		1.0" to 2.0" / 2.5 to 8.0 cm
	5m il		0.8" to 3.8" / 2.0 to 10.0 cm
	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
	10 mil	1.5" to 15.0" / 4.0 to 38.0 cm	0.2" to 5.5" / 0.5 to 14.0 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	
	55 mil	6.0" to 60.0" / 15.0 to 152.0 cm	

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.