

# PowerScan® SR & HD

Industrial Bar Code Scanners

# Data Sheet



### 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

### Mechanical

**Dimensions:** 2.7" x 4.4" x 7.2" (6.9 x 11.2 x 18.3 cm)

**Weight:** 10.5 oz. / 289 g (no cable)

### 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**

**Scanner:** Withstands multiple drops from 6' / 1.8 m to concrete

**Vibration:** Meets MIL-STD-810E

**Water & Dust:** IEC529 rating IP54

### Optical

**Light source:** 650nm Visible Laser Diode (VLD)

**Scan system:** Frictionless 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 / 12,900 Lux

**Sunlight:** 8,000 foot candles / 86,100 Lux

**Depth of Field:** See Depth of Field Table below

### Decoding Capability (autodiscriminates among)

- UPCA, E / EAN 8, 13 / JAN 8, 13
- Code 39
- Code 39 full ASCII
- Pharmacoode 39
- EAN 128
- MSI/Plessey
- Code 128
- Standard 2 of 5
- BC412 (upon request)
- Code 93
- Interleaved 2 of 5
- Codabar

### 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

### Host Communications

**Undecoded**

**Multi-interface modules** (interchangeable, AutoSelect™ cable determines active interface): RS232C / Standard

Keyboard Wedge / Wand Emulation USB / Universal

Keyboard Wedge

### Safety & Regulatory

**Electrical:** Complies to Gost R; TÜV; UL; cUL

**Emissions:** Complies to FCC-A; EN 55022-B BCIQ CNSI3438;

AS/NZS 3548; VCCI-B

**Laser classification:** CDRH Class II (SR); CDRH Class IIIA (HD);

(CAUTION: Laser Light – Avoid direct eye exposure);

IEC 60825 Class 2 (SR & HD)

**Restriction of Hazardous Substances:** Complies to RoHS



### Accessories



A: Universal Mount Kit

B: Holster/Fork Lift Mount

C: Scan Stand

D: Take Up Reel

### Depth of Field

Label Density	Standard (Decoded) Range	High Density (Decoded) Range
<b>Paper Labels</b>		
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 122.0 cm	
55 mil	6.0" to 60.0" / 15.2 to 152.0 cm	

Printing resolution, contrast and ambient light dependent.

PSC Inc.

959 Terry Street

Eugene OR 97402-9150 USA

Tel: 800 695 5700 or 541 683 5700

Fax: 541 345 7140

www.psc.com



Copyright © PSC Inc. 1999-2006. All rights reserved. • Protected to the fullest extent under U.S. and international laws. Copying or altering of this document without express written consent from PSC. • PSC Inc. of Eugene, Oregon, USA is ISO registered by NQA. • The PSC logo, PowerScan and QuadraLogic are registered trademarks of PSC Inc. All other brand and product names are trademarks of their respective owners. • Additional information concerning this product or other PSC products and services can be found at the PSC web site: www.psc.com. • Product specifications are subject to change without notice.

