

# QuickScan® QS2500

# Data Sheet

Linear Imager



## Mechanical

### Dimensions

Height: 7.3" / 18.5 cm

Width: 2.9" / 7.4 cm

Length: 4.5" / 11.4 cm

Weight: 6.3 oz. / 179 g (cable not included)

## Environmental

### Temperature Rating:

Operating: 32° to 115° F / 0° to 45° C

Storage: -22° to 149° F / -30° to 65° C

### Humidity:

Operating: 5 to 95% NC

Shock: Withstands ten 5.0' (1.5m) drops to concrete

Water & Dust: Resistant, IEC 60529 rating IP42DW

ESD protection: Functional after 15kV discharge

## Optical

Light Source: 660nm Visible Red Diode

Scan Rate: 200 scans/sec

Scan Width: 4.0"/10.2 cm at 5.0"/12.7 cm from label

Resolution: 5 mils / 0.13mm

Print Contrast: 25% or higher

Pitch: ±60°

Skew: ±75°

Scan angle: 46°

### Ambient Light Immunity

Artificial Light: 6,968 foot candle / 75,000 Lux

Sunlight: 6,968 foot candle / 75,000 Lux

Depth of Field: Refer to table below

| DEPTH OF FIELD*<br>Range Comparisons |                            |
|--------------------------------------|----------------------------|
| LABEL DENSITY                        | RANGE                      |
| 5 mils                               | 10"-45" / 2.5 - 11.4 cm    |
| 10 mils                              | 0.05"-8.5" / 1.3 - 21.6 cm |
| 13 mils (100% UPO)                   | 0.5"-11" / 1.3 - 28.0 cm   |
| 20 mils                              | 1.0"-16" / 2.5 - 40.6 cm   |
| 40 mils                              | 2.0"-28.0" / 5.0 - 71.0 cm |

\* Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

## Electrical

### Operating Current:

Operating: 225 mA @ 5 VDC

Standby: 100 mA @ 5 VDC

## Communications

- RS-232
- Keyboard Wedge
- Wand Emulation
- USB
- IBM 46XX
- IBM USB

## Decoding Capability (autodiscriminates)

- UPC A, E / EAN 8, 13 / JAN 8, 13 (Including add-ons P2/P5)
- Code 128
- Pharmacode 39
- Codabar
- Industrial 2 of 5
- RSS-14
- RSS Expanded
- MSI/Plessey
- Telepen
- Code 11
- Code 93
- Code 39
- Interleaved 2 of 5
- Matrix 2 of 5
- RSS-14 Stacked
- RSS Limited
- UK/Plessey
- Code 16K
- PDF417 with audio assist

## Safety & Regulatory

Electrical: Complies to UL and cUL

Emissions: Complies to FCC-A; EN 55022-B; VCCI-A

Laser Classification: IEC 60825 Class 1 LED



## Ideal for:

- Retail applications
- Health care
- Inventory
- Office automation
- Document tracking
- Light industrial

## Features:

- Aggressive reading and an extended depth-of-field
- Reads Reduced Space Symbology (RSS), PDF417 and linear codes for flexibility
- Ergonomic "aim and shoot" design
- Reliable and durable, providing long lasting performance

## Accessories



P/N: 7-0803 (Gray);  
P/N: 7-0832 (Black)  
Hands Free Stand

P/N: 7-0393  
Tabletop or  
Wall Mount

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



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