

# QuickScan® QS1000

Handheld Scanner



**Sleek Design and Powerful Performance. A Winning Combination in an Affordable Bar Code Scanner.**

## Step Up to the Performance of a Laser Scanner

The QuickScan® QS1000 scanner offers you all the benefits of laser scanning at what used to be CCD prices. The triggerless design, snappy scanning, and optional "hands-free" stand, give you enhanced performance at the point-of-sale — performance rarely found at such an affordable price.

The QS1000 consistently delivers speed and flexibility whether used at the point-of-sale checkout or for office, service or medical applications. And, it has an incredibly fast "speed-to-read" rate compared to other scanners in its class. When you're weighing price vs. performance, you don't need to look any further than the QS1000 scanner. The performance to price ratio is unparalleled, and the design is truly unique.

## Innovative and Intelligent Design

The QS1000 was built to be handled... a lot. Providing user comfort "from the hand to the stand," and back again, was the primary consideration in its external design. The triggerless function and ergonomic design provide a sleek, attractive scanner that is as easy to use as it is comfortable.

The QS1000 is built smart on the inside too. A beryllium copper scan element provides incredibly high durability. And anti-shock mounts that can absorb up to 1,500 Gs protect the reading engine and optics. In even the toughest environments, you can rely on the QS1000 to keep right on performing—even with repeated 5.0' / 1.5 m drops to concrete.

## The QuickScan 1000 Talks Your Language

With remarkable connectivity, the QS1000 supports all popular POS interfaces and keyboard wedges. And the QS1000 autodiscriminates all major bar code symbologies, and fully supports the UPC/EAN family of add-ons and code extensions.

The optional high visibility (650 nm) laser diode gives the QS1000 superior reading capabilities in bright light conditions. And advanced signal processing provides exceptional performance even on low contrast bar codes.

## Get Laser Scanning Performance at a Price that will Surprise You

The QS1000 means you don't need to compromise. Get the laser scanning performance you've been looking for at a price you can afford. One look will tell you this is no ordinary scanner.

### Ideal for:

- Handheld or On-counter Mounting
- Area registers and at the front-end checkout
- Anywhere you need laser performance at an affordable price

### Features

- Sleek, Triggerless Design Using LaserSense™ Technology
- Optimized for use in a stand
- Bright Light Scanning You Can Count On
- Unbeatable Price / Performance Ratio



# Specifications

## QS1000

These product 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](http://www.pscnet.com) or contact your PSC representative for more information.

Specifications apply to RS232 interface with 680nm VLD unless otherwise stated.

### Mechanical

**Dimensions:** 8.60 x 2.67 x 2.08" /  
21.84 x 6.78 x 5.28 cm

#### Weight

Body (w/o cable): 6.2 ozs. / 176 g  
Cable: 4.4 ozs. / 120 g

#### Cable length options

Collapsed: 20" / 51 cm, Extended: 8.0' / 2.4 m;  
Collapsed: 81" / 206 cm, Extended: 11.5' / 3.5 m  
(For other cable options, contact your PSC sales representative.)

### Optical

**Light source:** Visible Laser Diode (VLD),  
680 nm (nominal) & 650 nm (optional)

**Scan system:** Electromagnetic dithering mirror

**Rate:** 42 scans/sec. (nominal)

**Depth-of-field:** Refer to chart on this page

**Resolution:** 5 mils (0.13mm)

**Print contrast ratio:** 30% minimum

**Pitch:** ±65°

**Skew:** ±55°

**Scan angle:** 46°

#### Ambient light immunity:

Artificial light: 1,200 foot candles / 12912 Lux  
Sunlight: 8,000 foot candles / 86080 Lux

### Electrical

#### Operating voltage

Specifications using the 680nm laser diode  
& cable

Undecoded: 4.2 V to 14 VDC

Decoded: 3.8 V to 20 VDC

#### Operating current – nominal

Undecoded: 100mA @ 5 VDC

Decoded: 120mA @ 5 VDC

#### Idling current – nominal

Undecoded: 70mA @ 5 VDC

Decoded: 110mA @ 5 VDC

### Environmental

#### Temperature rating

Operating: 32° to 122° F / 0° to 50° C

Storage: -40° to 158° F / -40° to 70° C

#### Humidity: 5 to 95% NC

**Shock** (at 23°C): withstands multiple 5.0' / 1.5 m  
drops onto concrete / 100+ drops to countertop

**Vibration:** Operates in all normal retail and  
office environments

**Water & Dust:** Resistant, IEC529 rating IP53DW

### Decoding Capability

- UPC A, E / EAN 8,13 / JAN 8,13  
(P2 / P5, Code 128 EAN add-ons  
(interface dependent))
- Code 128/EAN 128
- Code 93
- Code 39
- Pharmacode 39
- Interleaved 2 of 5
- Standard 2 of 5, IATA
- Codabar

### Communications

- RS232 and Keyboard Wedge
- Keyboard Wedge and Wand Emulation
- IBM 46xx and RS232
- Undecoded
- Universal Wedge
- OCIA and RS232

### 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



Depth-of-Field Chart –	
(printing resolution, contrast and ambient light dependent)	
Label Density	Range
5 mil	0.5" to 2.8" / 1.3 to 7.0 cm
7.5 mil	0.0" to 4.5" / 0.0 to 11.4 cm
10 mil	0.0" to 8.5" / 0.0 to 21.6 cm
13 mil	0.0" to 11.5" / 0.0 to 29.2 cm
20 mil	0.0" to 16.3" / 0.0 to 41.4 cm

### Available Mount Options



P/N: 7-0446  
Stand  
(included w/scanner)

P/N: 7-0622  
Gooseneck Flexible  
(flat)



QS1000

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