

# VS800

Compact Bar Code Scanner



#### **Ideal For:**

- Convenience Stores and Small Grocers
- Specialty Retailers and Pharmacies
- Area Registers in Discount Stores and Supermarkets

#### **Additional Features:**

- Standard POS interfaces; connectivity to most systems
- EAS deactivation option; one-step scanning and EAS deactivation
- Multiple mounting options; positions scanner out of the way
- Programmable two-step sleep mode and instant wake up; prolongs scanner life

#### **A winning combination for any business.**

#### **Maximum performance in minimal space.**

The VS800 compact scanner was designed specifically for point-of-sale applications, where space is always at a premium and where scanner performance is a critical component of efficiency and success.

The VS800 is the scanner to choose when you need reliable, full-functioned bar code scanning without sacrificing counter space. With optional mounts, operators can position the scanner at various angles to create a work environment that is highly convenient, comfortable, and productive.

#### **A Lot Of Technology In Very Little Space**

Using an advanced visible laser diode scanning system, the VS800 offers a large 8" / 20 cm depth-of-field and wide scan area for high-performance, hands-free scanning. With PSC's patented Edge™ software and enhanced decoding capabilities, the VS800 is fast and delivers very high first pass read rates on a variety of bar codes including labels that are long, truncated, partially obscured, or otherwise difficult to read. And it reads codes as small as 5 mils. All this means faster checkout for retail customers.

This versatile scanner autodiscriminates UPC or EAN plus 5 industrial symbologies. And the single, dual, or triple interfaces and extensive programming options deliver the flexibility needed to quickly and easily integrate the VS800 into your POS system.

#### **Advanced Design. Simple Operation. Built For Long Life and Fast ROI.**

Items are simply presented or swept by the VS800. The aggressive, omni-directional scan pattern virtually eliminates the need for operator training and minimizes the need to adjust or orient individual items.

The specially designed case of the VS800 is built to survive drops from a counter top and keep right on scanning. And it resists chipping, stains, and fading on its surface as well. With the VS800, maintenance is virtually non-existent. Simply clean the scanner and window periodically and enjoy its productivity year after year.

There's no need to make compromises between quality and affordability. The VS800 delivers it all, high-end performance, compact design, and enhanced reliability at a price you can afford.



# Specifications

VS800

## Mechanical

- Dimensions:** 5.9 x 3.4 x 3.0" / 15.0 x 8.6 x 7.6 cm
- Weight:** 12.8 oz / 363 g
- Cable length:** 8 or 12' / 2.4 or 3.5 m extended

## Electrical

- Operating voltage:** 4.7 V to 14 VDC;  
Universal Wedge Version – 5.2 V to 14 VDC
- Power consumption:** 3 Watts maximum

## Decoding Capability

- UPC A, E / EAN 8, 13 / JAN 8, 13
- Edge stitching for UPC A, EAN 13 & Jan

### Add-ons

- UPC P2, UPC P5, Code 128

### Industrial Codes

- Code 128
- Code 93
- Code 39 (variable length;  
fixed length label stitching)
- Interleaved 2 of 5
- Codabar
- MSI / Plessey

### 2 label read

Autodiscriminate UPC Edge  
with Add-ons & 5 industrials

RSS 14 omni-stacked and expands - optional

**NOTE:** With RSS enabled, Autodiscrimination is limited as follows:

- RSS with UPC/EAN/JAN or
- RSS with all industrial codes

## Optical

- Light source:** 650 nm Visible Laser Diode (VLD)
- Scan system:** Rotating polygon

### Scan pattern:

- Omnidirectional mode: 20 lines
- Scan speed: 1,500 lines per second (lps)
- Scan angles: 5

### Motor:

- Speed: 4,500 rpm
- Speed to read (from motor off): <500 ms

### Depth-of-field:

 Refer to chart on this page

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

**Print contrast ratio:** 50% minimum

### Label orientation:

- Pitch & Skew: ±80°
- Roll: 0° to 360°

### Ambient Light tolerance:

200 foot candles / 2,100 lux maximum

Depth-of-Field Chart	
(printing resolution, contrast and ambient light dependent)	
Label Density	Range
5 mil	1.0" to 2.5" / 2.5 to 6.4 cm
7.5 mil	0" to 6.0" / 0.0 to 15.2 cm
10 mil	0" to 7.0" / 0.0 to 17.8 cm
13 mil	0" to 8.0" / 0.0 to 20.3 cm

## Environmental

### Temperature rating:

- Operating: 32° to 104° F / 0° to 40° C
- Storage: -40° to 158° F / -40° to 70° C

**Humidity:** 5 to 95% NC

**Shock (at 23° C):** withstands multiple  
3 ft / 1 m drops

**Water & Dust:** Resistant, IEC529 rating IP53

## Communications

### Single interfaces:

- IBM USB Embedded
- USB expanded through Universal KBW

### Dual interfaces:

- IBM / RS-232

### Triple interface:

- RS-232 / KBW / IBM

## Safety & Regulatory

**Electrical:** Gost R; TÜV

**Emissions:** Complies to FCC-A; BCIQ CNS 13438;  
EN 55022-B; AS/NZ 3458; VCCI-B

**Laser classification:** CDRH Class IIa;

(CAUTION: Laser radiation - do not  
stare into beam); IEC 60825 Class 1



## Other

### EAS compatibility

Integrated EAS hardware will work with  
Counterpoint IV, V, VI, and VII models available  
from Checkpoint Systems.

## Available Mount Options



P/N: 7-0448  
Universal Fixed



P/N: 7-0449  
Universal Fixed  
(tilt & swivel)



P/N: 7-0482  
Gooseneck Flexible



P/N: 7-0611  
Gooseneck Flexible  
(flat)

## PSC Inc.

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## Specifications are subject to change without notice.

Additional information concerning this product or other PSC products  
and services can be found at the PSC Web Site: [www.psc.com](http://www.psc.com)  
or contact your PSC representative for more information.



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