

# 5300IP9X AutoRange™

Handheld Scanner



- Ideally suited for warehouse and distribution center applications
- Designed to read bar codes equally well in up-close picking and long-range storage bin applications
- Reads high density paper and low density retroreflective bar codes
- Audible tone and visible LED indicate "Scanning" and "Good Read"
- Marker beam assures accurate aiming at long distances
- A variety of interfaces simplify connectivity to any portable or fixed computer system

## The Broadest Working Range In Typical Industrial Applications

The 5300IP9X AutoRange™ Bar Code Scanner is an industrial bar code reader which provides the broadest depth of field for reading bar codes in shipping, receiving and inventory management applications. Simply put, this scanner, which incorporates the ability to read both high density paper labels from up close and low density retro-reflective labels at long distances, performs the tasks that previously took 2 different scanners.

## Superior Optical Design Provides The 5300AR With The Most Versatile Scanning Performance

The key to the 5300IP9X scanner's extended depth of field is its advanced optics. Like having two scanners in one, the 5300IP9X is designed with 2 visible laser diodes which, combined with an efficient optical design, allow it to read bar codes over a broader working range. In long-range applications, the 5300IP9X scanners "reads" lower density bar codes at distances up to 40.0' (12.19 m) using a long-range laser diode and long-range optical design features. A marker beam assists the operator by momentarily providing an aiming reference point on a label's surface when the scanner's trigger is initially activated.

For near contact applications, from 6.0" (15.2 cm), the scanner "reads" higher density labels utilizing a second near-range laser diode and near-range optical design features. The unique design enables two lasers to work efficiently together for superior overall performance, and allows an operator to use a single scanner for multiple applications.....boosting productivity and the bottom line.

## Built Tough To Meet The Most Demanding Scanning Requirements

The 5300IP9X scanner, like all of PSC's Industrial Performance scanners, is built tough to take the abuse of demanding work environments. A protective rubber boot, reinforced cable connections, and a secure seal to protect from rain and dust, guard against the effects of the harshest environments. Even after sharp blows against a fork lift, or repeated 6' (1.8m) drops to the ground, the 5300IP9X provides snappy and responsive scanning on tough to read bar codes.



# Specifications

## 5300IP90X AutoRange™

### Mechanical

**Weight:** 8.7 oz (245g)

**Size:** 5.4" L x 2.9" W x 7.0" H  
(13.7cm L x 7.4cm W x 17.8cm H)

### Optical

**Scan System:** Dithering mirror

**Scan Rate:** 30 scans/second

**Wavelength (nominal):** 670nm

**Maximum Pitch:** ±65°

**Maximum Skew:** ±55°

**Scan angle:** 46°

**Ambient Light:** 8,000 foot candles  
(86,100 Lux) full sunlight

#### Depth-of-field

(Nominal; IEC Class II version; resolution, contrast, and ambient light dependent)

Paper

• 7.5 mil	7.0" to 11.0" (17.8 to 27.9cm)
• 10 mil	6.0" to 20.0" (15.2 to 50.8cm)
• 15 mil	9.0" to 60" (22.9 to 152.4cm)
• 20 mil	9.0" to 84" (22.9 to 213.4cm)
• 55 mil	18" to 180" (45.7 to 457.2cm)

Retroreflective

• 70 mil	4.0' to 25.0' (1.22 to 7.62m)
• 100 mil	5.0' to 40.0' (1.52 to 12.19m)

### Electrical

**Voltage:** 4.75 to 14 VDC

**Operating current:**  
Uncoded: 100 mA nominal  
140mA maximum  
Decoded: +40mA nominal

### Environmental

#### Temperature

Operating: -22° to 122° F (-30° to 50° C)  
Storage: -40° to 158° F (-40° to 70° C)

**Humidity:** 5 to 95% NC

**Dust and Rain:** Resistant to dust & rain  
MIL STD 810E Method 510.3  
MIL STD 810E Method 506.3

**Surface Discharge:** up to 15KV

**Durability:** 6' (8.1m) drop to concrete

**Vibration:** Operates in typical and heavy industrial environments  
MIL STD 810E, Method 514.4 Cat 10

### Communications

- RS232
- Keyboard Wedge
- Wand Emulation

### Decoding Capability

- UPC A, E / EAN 8, 13 / JAN 8, 13
- Code 128
- Code 39
- Interleaved 2 of 5
- Standard 2 of 5
- Codabar
- MSI/Plessey

### Safety & Regulatory

Electrical: UL, ULc, TUV, CE  
EMC: FCC Class A,  
EN55022 Class B,  
EN50082-1 (Immunity)  
Laser Classification: CDRH Class II  
IEC Class 2



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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 website: [www.pscnet.com](http://www.pscnet.com), or contact your PSC representative for more information.

