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RUGGED HANDHELD

# Granit 1990iSR Ultra-Rugged Standard Range Scanner

## Granit 1990iSR Ultra-Rugged Standard Range Scanner

### Overview



Feedback

**Ensure maximum productivity and uptime with Granit™ 1990iSR standard range ultra-rugged barcode scanner. Outstanding durability ensures low TCO. Premium scanning performance ensures even damaged or low quality codes scan quickly. Granit XP expands capabilities and redefines ultra-rugged scanning.**

- Built to survive harsh treatment including 3 m (10 ft) drops, 7,000 1 m (3.3 ft) tumbles, operating temperatures from -30°C to 50°C (-22°F to 122°F) and IP67 sealing, Granit XP reduces service costs and increases device uptime.
- Granit provides extreme performance scanning, even on damaged and low-quality barcodes. High-quality barcodes scan and transmit faster than ever.
- The SR model is ideally suited to normal, near-field scanning operations on 1D and 2D barcodes. For longer distances, refer to other models in the Granit family.
- The Honeywell Scanner Management Utility (SMU) creates a holistic solution that automates how you deploy and update the scanners in your environment.

**Following a legacy of successful deployments, the next generation Granit™ XP scanners expand capabilities and redefine ultra-rugged scanning. With a 10' drop spec, Granit™ XP is engineered to keep on working after the impact of drops from loading docks, fork trucks, and picking trucks. The 1 meter (3.3 foot) tumble test indicates long term durability with daily knocks and drops from workstation or waist height. A 7,000 tumble specification ensures Granit™ scanners will be ready to work for the long term. And IP67 dust and moisture sealing protect scanning performance under harsh treatment. Barcodes make data entry faster and more accurate, maximizing productivity in your operations. However, damaged and low quality barcodes can make transactions slow and difficult. Bad labels commonly occur in the warehouse/DC and industrial space due to low quality printing or damage during handling.**

**Granit XP, built on Honeywell's next-generation imaging platform, ensures that otherwise challenging labels do not create a bottleneck in your process. The Granit™ XP 1990iSR model offers high-durability, extreme performance scanning for standard range operations. Created for applications where high speed scanning is needed to maximize productivity, and where durability is non-negotiable for low total cost of ownership, the Granit™ XP 1990iSR scanner offers the optimal solution. Find out more about what you can accomplish with Granit XP**

# Specifications

## DIMENSIONS

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### Overall Dimensions

- 192 mm x 76 mm x 100 mm
- 7.6 in x 3.0 in x 3.9 in

## SCANNING SPECIFICATIONS

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### Decode Capability

- 1D/2D

### Skew

- 65°

### Scan Pattern

- Area Imager (1280 x 800 pixel array)

### Print Contrast

- 20% minimum reflectance difference

### Motion Tolerance

- 177 in/s
- 4500 mm/s

### Brightness

- 0 - 100,000 lux
- 9,290 foot-candles

### Scanning Range

- Standard range (SR)

## NETWORK

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### Bluetooth

- No

Feedback

## HARDWARE

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### Host System Interface

- Keyboard Wedge
- RS-232 TTL
- USB

## ELECTRICAL

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### Standby Power

- 0.5 W

## ENVIRONMENTAL

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### Storage Temperature Range

- -40°C - 70°C
- -40°F - 158°F

### Operating Humidity

- Up to 95% relative humidity, non-condensing

## STANDARDS & APPROVALS

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### Tumble Specifications

### Drop Specifications

- 7,000 1 m (3.3 ft) tumbles

- 2 m (6.5 ft): 50 drops from -30°C to NEWLINE 50°C (-22°F to 122°F), uncontrolled RH
- 2.4 m (8 ft): 20 drops at 25°C (77°F), 55% RH
- 3 m (10 ft): MIL-STD-810G, 25°C (77°F), 55% RH

## OTHERS

### Input voltage

- 4.0 VDC to 5.5 VDC

### Operating Power

- 2.35 W (470 mA @ 5 VDC)

### Operating temperature

- -22°F - 122°F
- -30°C - 50°C

### Warranty Duration

- Three-year factory warranty

### Brand

- Honeywell

### Power Connector Type

- Corded

# Product Number



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PART NUMBER	DESCRIPTION
1990ISR-3-N	Scanner: Tethered. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red Scanner. Compatible with RS232USBKBW cables (not included). Assembled in China.
1990ISR-3-R	Scanner: Tethered. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red Scanner. Compatible with RS232USBKBW cables (not included). Assembled in Mexico.
1990ISR-3SER-UPS-6	KIT, 1990ISR-3, RS232, PS, UPS, LV6
1990ISR-3USB-N	USB Kit: Tethered. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner (1990iSR-3), USB Type A 3m straight cable (CBL-500-300-S00). Assembled in China.
1990ISR-3USB-R	USB Kit: Tethered. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner (1990iSR-3), USB Type A 3m straight cable (CBL-500-300-S00). Assembled in Mexico.
1991IENDCAP	USB Kit: Tethered. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner (1990iSR-3), USB Type A 3m straight cable (CBL-500-300-S00). Power Supply needs be purchased separately.
1991ISR-3-N	Scanner: Wireless. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner, smart battery (BAT-SCN05). Bluetooth Class 1.
1991ISR-3-R	Scanner: Wireless. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner, smart battery (BAT-SCN05). Bluetooth Class 1. Assembled in Mexico.
1991ISR-3USB-5-N	USB Kit: Wireless. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vibration. Red scanner (1991iSR-3), smart battery (BAT-SCN05), charge & communication base (CCB22-100BT-03N) USB Type A 3m straight, 5v host power cable (CBL-500-300-S00).
1991ISR-3USB-5-R	USB Kit: Wireless. Ultra rugged industrial. 1D, PDF417, 2D, SR focus, with vib. Red scanner (1991iSR-3), smart battery (BAT-SCN05), charge&comm base (CCB22-100BT-03N) USB Type A 3m straight, 5v host power cable (CBL-500-300-S00). Assembled in Mexico

Feedback

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