

GRANIT™ XP 1990iXLR



Ultra-Rugged Long Range Industrial Handheld Scanner

Following a legacy of successful deployments, the next series of Granit™ XP scanners offers enhanced depth of field range capabilities.

With Honeywell XLR technology, the Granit™ XP XLR models offer an ideal blend of no-sacrifice near-field scanning plus the ultra-long range to read UPCs at 2 meters (6.6 feet) and 100 mil (2.5 millimeter) rack labels at 24 meters (79 feet), addressing many warehouse, distribution center and manufacturing workflows. With a 3 meters (10 foot) drop, Granit XP is engineered to keep on working after the impact of drops from loading docks, forklifts and picking trucks. An improved 7,000 tumble specification helps to ensure Granit scanners are ready to work long-term in demanding environments.

Granit scanners are designed with a small, deeply recessed, scratch- and impact-resistant window to help prevent failures. This is a critical sealing component helping to prevent dust and moisture from entering the case and degrade scanning performance or cause premature failure. The Granit solution includes IP67 rating, protecting the device, even 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 painful. Bad labels commonly occur in the warehouse, DC and industrial environments due to low quality printing or damage during handling. Granit XP is built on Honeywell's next generation imaging platform, integrating a high-resolution sensor and enhanced decoding algorithms to read barcode symbols quickly and accurately. Granit XP helps to ensure that otherwise challenging labels do not create a bottleneck in your process.



Granit™ XP 1990iXLR scanners provide extreme performance scanning with ultra-long range and enhanced ruggedness for optimized reliability and productivity.

FEATURES AND BENEFITS



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 helps reduce service costs and increases device uptime.



Granit™ XP provides extreme performance scanning, even on damaged and low-quality barcodes. High-quality barcodes scan and transmit fast and accurate data.



The Honeywell Scanner Management Utility (SMU) creates a holistic solution that automates how you deploy and update the scanners in your environment.



The XLR model is ideally suited to far-field scanning operations on 1D and 2D barcodes, plus expanded range scanning of UPC up to 2 m (6.6 ft) and 100 mil codes to 24 m (79 ft).



Honeywell Operational Intelligence software delivers on-demand scan insights, supporting higher employee productivity and throughput.

Honeywell

GRANIT™ XP 1990iXLR Technical Specifications

MECHANICAL

Dimensions (L x W x H):

192 mm x 76 mm x 100 mm
(7.6 in x 3.0 in x 3.9 in)

Weight – Corded: 320 g (11.3 oz)

User Indicators: Good Decode LEDs,
Beeper (adjustable tone and volume),
Vibration (adjustable)

ENVIRONMENTAL

Operating Temperature* – Corded:

-30°C to 50°C (-22°F to 122°F)

Storage Temperature:

-40°C to 70°C (-40°F to 158°F)

Humidity: Up to 95% relative humidity
(non-condensing)

Drop (Multiple):

2 m (6.5 ft): 50 dops from -30°C to 50°C
(-22°F to 122°F), uncontrolled RH

2.4 m (8 ft): 20 drops at 25°C to 77°C
(32°F to 122°F), 55% RH

3 m (10ft): MIL-STD-810G, 25°C
(77°F), 55% RH

Tumble: 7,000 1.0 m (3.3 ft) tumbles per
IEC 60068-2-32 specification

Environmental Sealing: IP67 and IP65

Light Levels: 0 to 100,000 lux
(9,290 foot-candles)

ESD: ±20 kV Air and ±8 kV Contact Direct

ELECTRICAL

Input Voltage:

4.0 VDC to 5.5 VDC

Operating Power – Corded:

2.35 W (470 mA @ 5 VDC)

Standby Power – Corded:

0.5 W (100 mA @ 5 VDC)

Host System Interfaces:

USB, Keyboard Wedge, RS-232 TTL

SCAN PERFORMANCE

Scan Pattern: Area Imager

Near:

(1280 x 800 pixel array) Global Shutter

Far:

(1920*1080 pixel array) Rolling Shutter

Motion Tolerance:

Up to 4500 mm/s (177 in/s)

Print Contrast:

20% minimum reflectance difference

Roll, Pitch, Skew: -360°, 45°, 65°

Decode Capabilities: Reads standard 1D,
PDF, 2D, Postal, Digimarc, DOT Code and
OCR symbologies

Warranty – Scanner:

Three-year factory warranty

AVERAGE PERFORMANCE**

NARROW WIDTH	EXTENDED RANGE
5 mil Code 39	87 mm to 370 mm (3.4 in to 14.6 in)
10 mil Data Matrix	89 mm to 393 mm ((3.5 in to 15.5 in)
10 mil C128	48 mm to 2202 mm (1.9 in to 86.7 in)
13 mil UPC	11 mm to 2244 mm (1.9 in to 86.7 in)
20 mil Code 39	15 mm to 15530 mm ((0.5 in to 611 in)
100 mil Code 39	24 m (79 ft)

**With industrial-grade cable.
Can be purchased separately.*

***Performance may be impacted by barcode
quality and environmental conditions.*

For a complete listing of all compliance
approvals and certifications, please visit
www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode
symbologies, please visit
www.honeywellaidc.com/symbologies.

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For more information

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