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.

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). Granit™ XP helps reduce service costs and increases device uptime.

Granit™ XP provides extreme performance scanning, even on damaged and low-quality barcodes.

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 13 mil UPC up to 2 m (6.6 ft) and 100 mil code 39 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):

1.8 m (6 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 (77°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	XLR 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)
10 mil Code 128	48 mm to 2202 mm (1.9 in to 86.7 in)
13 mil UPC	11 mm to 2244 mm (0 in to 88.3 in)
20 mil Code 39	15 mm to 5944 mm (0 in to 19.5 ft)
100 mil Code 39	24 m (79 ft)
100 mil Data Matrix	11.4 m (37.4 ft)

NARROW WIDTH	XR EXTENDED RANGE
5 mil Code 39	35.7 mm to 108.3 mm (1.4 in to 4.26 in)
10 mil Code 39	0 mm to 1279.3 mm (0 in to 4.2 ft)
10.4 mil Code 128	0 mm to 354 mm (0 in to 14 in)
13 mil UPC	0 to 1548.3 mm (0 in to 5 ft)
15 mil Code 128	0 mm to 1820.7 mm (0 in to 6 ft)
20 mil Code 39	0 mm to 2368 mm (0 in to 7.8 ft)
6.7 mil PDF 417	0 mm to 214 mm (0 in to 8.4 in)
10 mil Data Matrix	26.3 mm to 230.7 mm (1 in to 9 in)
20 mil QR Code	0 mm to 496.3 mm (0 in to 19.5 in)
22 mil QR Code	0 mm to 1706.7 mm (0 in to 5.6 ft)
70 mil Code 128	7.9 m (26 ft)
100 mil Code 39	11.26 m (37 ft)
100 mil Data Matrix	208 mm to 6026.7 mm (8.2 in to 19.8 ft)

NARROW WIDTH	SR EXTENDED RANGE
5 mil Code 39	18mm to 227.7 mm (0 in to 9 in)
10 mil Code 39	0 mm to 503 mm (0 in to 19.8 in)
13 mil UPC	0 mm to 517.3 mm (0 in to 20.3 in)
15 mil Code 128	0 mm to 649.3 mm (0 in to 2.13 ft)
20 mil Code 39	0 mm to 882.7 mm (0 in to 2.9 ft)
6.7 mil PDF 417	18 mm to 214 mm (0 in to 8.42 in)
10 mil Data Matrix	26.3 mm to 230.7 mm (1 in to 9 in)
20 mil QR Code	44 mm to 484.3 mm (1.7 in to 19 in)

**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.

Granit is trademark or registered trademark of Honeywell International Inc.

All other trademarks are the property of their respective owners.

For more information

sps.honeywell.com

Honeywell Safety and Productivity Solutions
855 S Mint St
Charlotte, NC 28202
800-582-4263
www.honeywell.com

© 2022 Honeywell International Inc.

Honeywell

GRANIT™ XP 1991iXLR

Cordless Ultra-Rugged Long Range Industrial Handheld Scanner

Granit™ XP 1991iXLR scanners provide extreme performance scanning with ultra-long range scanning and enhanced ruggedness for optimized productivity and reliability.

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

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. 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.

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 -20°C to 50°C (-4°F to 122°F). Granit™ XP helps reduce service costs and increases device uptime.

Granit™ XP provides extreme performance scanning, even on damaged and low-quality barcodes.

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 series is ideally suited to far-field scanning operations on 1D and 2D barcodes, plus expanded range scanning of 13 mil UPC up to 2 m (6.6 ft) and 100 mil Code 39 to 24 m (79 ft).

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

Honeywell

GRANIT™ XP 1991iXLR 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 – Cordless: 405 g (14.3 oz)
User Indicators: Good Decode LEDs, Beeper (adjustable tone and volume), Vibration (adjustable)

WIRELESS

Radio/Range: 2.4 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth® v4.2; Class 1: 100 m (330 ft) line of sight

POWER OPTIONS

Battery: 2450 mAh Li-ion minimum
Number of Scans: Up to 50,000 scans per charge
Expected Duration of Operation: 14 hours (1 scan per second)
User Indicators: Good Decode LEDs, Beeper (adjustable tone and volume), Vibration (adjustable), Bluetooth® connectivity, Battery status

ENVIRONMENTAL

Operating Temperature*:
-20°C to 50°C (-4°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):
1.8 m (6 ft.): 50 dops from -20°C to 55°C (-4°F to 131°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

ELECTRICAL

Input Voltage: 4.0 VDC to 5.5 VDC
Operating Power: 5 W 1000 mA @ 5 VDC
Standby Power: 0.6 W
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
Warranty – Battery Pack:
One-year factory warranty

AVERAGE PERFORMANCE**

NARROW WIDTH	XLR 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)
10 mil Code 128	48 mm to 2202 mm (1.9 in to 86.7 in)
13 mil UPC	11 mm to 2244 mm (0 in to 88.3 in)
20 mil Code 39	15 mm to 5944 mm (0 in to 19.5 ft)
100 mil Code 39	24 m (79 ft)
100 mil Data Matrix	11.4 m (37.4 ft)

NARROW WIDTH	XR EXTENDED RANGE
5 mil Code 39	35.7 mm to 108.3 mm (1.4 in to 4.26 in)
10 mil Code 39	0 mm to 1279.3 mm (0 in to 4.2 ft)
10.4 mil Code 128	0 mm to 354 mm (0 in to 14 in)
13 mil UPC	0 to 1548.3 mm (0 in to 5 ft)
15 mil Code 128	0 mm to 1820.7 mm (0 in to 6 ft)
20 mil Code 39	0 mm to 2368 mm (0 in to 7.8 ft)
6.7 mil PDF 417	0 mm to 214 mm (0 in to 8.4 in)
10 mil Data Matrix	"26.3 mm to 230.7 mm (1 in to 9 in)"
20 mil QR Code	"0 mm to 496.3 mm (0 in to 19.5 in)"
22 mil QR Code	"0 mm to 1706.7 mm (0 in to 5.6 ft) "
70 mil Code 128	7.9 m (26 ft)
100 mil Code 39	11.26 m (37 ft)
100 mil Data Matrix	208 mm to 6026.7 mm (8.2 in to 19.8 ft)

NARROW WIDTH	SR EXTENDED RANGE
5 mil Code 39	18mm to 227.7 mm (0 in to 9 in)
10 mil Code 39	0 mm to 503 mm (0 in to 19.8 in)
13 mil UPC	0 mm to 517.3 mm (0 in to 20.3 in)
15 mil Code 128	0 mm to 649.3 mm (0 in to 2.13 ft)
20 mil Code 39	0 mm to 882.7 mm (0 in to 2.9 ft)
6.7 mil PDF 417	18 mm to 214 mm (0 in to 8.42 in)
10 mil Data Matrix	26.3 mm to 230.7 mm (1 in to 9 in)
20 mil QR Code	44 mm to 484.3 mm (1.7 in to 19 in)

With industrial-grade cable ordered separately.

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

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

For a complete listing of all supported barcode symbologies, please visit http://honeywell.com/PSS-symbologies.

Granit™ is trademark or registered trademark of Honeywell International Inc.

All other trademarks are the property of their respective owners.

For more information

sps.honeywell.com

Honeywell Safety and Productivity Solutions
855 S Mint St
Charlotte, NC 28202
800-582-4263
www.honeywell.com

© 2023 Honeywell International Inc.

Honeywell