XENON 1952h-bf

Battery-Free Wireless Area-Imaging Scanner for Healthcarewnership.

The Honeywell Xenon™ Extreme Performance (XP) 1952h-bf area-imaging scanner incorporates the latest in battery-free technology, offering the freedom of Bluetooth® wireless technology without the maintenance hassles or long recharge time associated with traditional batteries.

Traditional cordless scanners are powered by batteries, requiring long recharging times and battery maintenance. The Xenon XP 1952h-bf scanner runs on supercapacitors, making it capable of achieving a full charge in under 60 seconds when using a powered USB port or external wall adapter. The Xenon XP 1952h-bf scanner typically provides at least 450 scans without recharging. This makes the scanner ideal for scanning applications at the bedside such as medicines administration or specimen collection. With its quick charge feature, you'll minimize problems associated with dead batteries like manual overrides and unnecessary IT support calls. And with no battery, a common maintenance hassle is removed, an ongoing expense is eliminated, and the scanner is lighter and more environmentally friendly.



The Xenon XP 1952h-bf wireless scanner offers fast, accurate barcode scanning without the long recharge time, expense, and environmental impact of a battery.

In addition to the Xenon scanner's legendary reliability, the Xenon XP 1952h-bf scanner delivers aggressive barcode scanning performance – even on poor-quality or damaged barcodes – which also helps to minimize manual overrides. An integrated Bluetooth radio gives clinicians complete freedom of movement around patients, equipment, family members, and patient and family belongings. The Xenon XP 1952h-bf scanner is ready for prolonged hospital use, with a disinfectant-ready housing that resists the harmful effects of harsh cleaning agents commonly used in healthcare environments and minimizes the spread of infectious diseases.

FEATURES AND BENEFITS

When fully charged, the scanner can typically scan over 450 UPC/EAN codes without the need for recharging. The scanner is useable in less than 20 seconds.

Supercapacitors hold their charge for hours when fully charged. So clinicians who forget to place their scanner in the charger prior to break won't impact operations upon return.

Two independently configurable recharge alerts remind clinicians to place the scanner back into the base for charging, ensuring continuous operation.

The Xenon XP 1952h-bf scanner is fully charged in under 60 seconds when a powered USB or external power supply is used and under two minutes with a simple USB connection.

When the scanner is placed in the base, the ready-to-scan LED typically flashes in less than 20 seconds to notify the clinician that there is sufficient power to support over 100 scans.

DISTRIBUIDOR AUTORIZADO:

CALI: Calle 38 AN No. 4N - 183 PBX: 665 1117 - 317 363 7420 **MEDELLÍN:** Carrera 73 A No. 31 A - 78 PBX: 235 2205 – 448 9971
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ETIMARCAS
TECNOLOGÍA QUE IDENTIFICA

Honeywell

Especificaciones técnicas

BATTERY-FREE

User Indicators: Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Vibration (optional and adjustable), Charge Status Indicator

Number of Scans (based on default settings):

- **Fully Charged:** Typically more than 450 scans
- **Ready-to-Go Notification:** At least 25 scans (@1 scan/sec)
- **First Recharge Alert (30%):** Typically occurs after 300 scans ±10%
- **Second Recharge Alert (10%):** Typically occurs after 400 scans ±10%

Expected Full Charge Time (completely discharged):

- **Standard USB:** Typically under 120 seconds
- **Powered USB/External Wall Power Adapter:** Typically under 60 seconds

Expected Ready-to-Go Charge Time:

- **Standard USB:** Typically under 25 seconds
- **Powered USB/External Wall Power Adapter:** Typically under 15 seconds

Use Time (5 scans/transaction, 1 min/transaction):

- **Fully Charged:** Typically 25 minutes of usage
- **Ready-to-Go Notification:** Typically 5 minutes of usage left
- **First Recharge Alert (flashing yellow LED):** Typically 10 minutes of usage left
- **Second Recharge Alert (flashing red LED):** Typically 5 minutes of usage left

Charge Cycles (from completely discharged): 500,000

WIRELESS

Radio/Range: 2.4 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth v4.2; Class 2: 10 m (33 ft) line of sight

ENVIRONMENTAL

Scanner:

- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- **Storage Temperature:** -40°C to 70°C (-40°F to 158°F)
- **Humidity:** 0 to 95% relative humidity, non-condensing
- **Drop:** Designed to withstand 50 1.8 m (6 ft) drops to concrete
- **Environmental Sealing:** IP42
- **Light Levels:** 0 to 100,000 lux (9,290 ft-candles)
- **Electrostatic Discharge (ESD) (Scanners and Cradles):** ±8 kV indirect coupling plane, ±15 kV direct air

Charge and Communication Base:

- **Operating Temperature:**
  - **Charging:** 0°C to 50°C (32°F to 122°F)
  - **Non-Charging:** 0°C to 50°C (32°F to 122°F)
- **Storage Temperature:** -40°C to 70°C (-40°F to 158°F)
- **Humidity:** 0 to 95% relative humidity, non-condensing
- **Drop:** Designed to withstand 50 1 m (3.3 ft) drops to concrete
- **Environmental Sealing:** IP41
- **Light Levels:** N/A

MECHANICAL/ELECTRICAL

Scanner:

- **Dimensions:** 104 mm x 71 mm x 160 mm (4.1 in x 2.8 in x 6.3 in)
- **Weight:** 195 g (6.9 oz)
- **Operating Power:** N/A
- **Non-Charging Power:** N/A
- **Host System Interface:** N/A

Charge and Communication Base:

- **Dimensions:** 132 mm x 102 mm x 81 mm (5.2 in x 4 in x 3.2 in)
- **Weight:** 180 g (6.3 oz)
- **Operating Power:** 5W (1A @ 5V)
- **Non-Charging Power:** 0.5W (0.1A @ 5V)
- **Host System Interface:** USB, Keyboard Wedge, RS-232, IBM 46xx (RS485)

SCAN PERFORMANCE

Scan Pattern: Area Image (1280 x 800 pixel array)

Motion Tolerance: Up to 400 cm/s (157 in/s) for 13 mil UPC at optimal focus

Scan Angle:

- **HD:** Horizontal: 48°; Vertical: 30°
- **SR:** Horizontal: 48°; Vertical: 30°

Symbol Contrast: 20% minimum reflectance difference

Roll, Pitch, Skew: ±360°, ±45°, ±65°

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

(Note: Decode capabilities dependent on configuration.)

Warranty:

- **Scanner:** Three-year factory warranty
- **Supercapacitor:** Five-year factory warranty

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
NARROW WIDTH		
3 mil Code 128	56 mm – 132 mm (2.2 in – 5.2 in)	27 mm – 131 mm (1.1 in – 5.1 in)
5 mil Code 39	28 mm – 242 mm (1.1 in – 9.5 in)	14 mm – 219 mm (0.6 in – 8.6 in)
10 mil Code 39	0 mm – 443 mm (0 in – 17.4 in)	0 mm – 389 mm (0 in – 15.3 in)
13 mil UPC	0 mm – 490 mm (0 in – 19.3 in)	0 mm – 368 mm (0 in – 14.5 in)
15 mil Code 128	0 mm – 543 mm (0 in – 21.4 in)	0 mm – 417 mm (0 in – 16.4 in)
20 mil Code 39	4 mm – 822 mm (0.1 in – 32.4 in)	6 mm – 604 mm (0.2 in – 23.8 in)
5 mil PDF417	54 mm – 160 mm (2.1 in – 6.3 in)	30 mm – 155 mm (1.2 in – 6.1 in)
6.7 mil PDF417	34 mm – 220 mm (1.4 in – 8.7 in)	17 mm – 211 mm (0.7 in – 8.3 in)
7.5 mil DM**	49 mm – 172 mm (1.9 in – 6.8 in)	27 mm – 160 mm (1.0 in – 6.3 in)
10 mil DM**	29 mm – 245 mm (1.1 in – 9.7 in)	12 mm – 211 mm (0.5 in – 8.3 in)
20 mil QR	0 mm – 438 mm (0 in – 17.2 in)	0 mm – 331 mm (0 in – 13.0 in)

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

** Data Matrix (DM)

DISTRIBUIDOR AUTORIZADO:

AVERY DENNISON · axicon · brother · DATALOGIC · Dynopos · EPSON · GS1 Colombia · Honeywell · Intermec by Honeywell · LOGyCA · net LogistiK · Monarch · siesa · star · unitech · ZEBRA

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