

Xenon Performance (XP) 1950g

Corded Area-Imaging Scanner

Users struggling to scan codes can lead to frustration and ultimately lost revenue. Delivering excellent work is your mission, and fast, accurate, friendly scan-in and scan-out is critical. Empower your users to deliver on your mission and commitment to provide excellent work and experiences. This device offers superior scan performance, easily capturing even the most difficult-to-read or damaged bar codes/QR codes.

Engineered to 50 drops at 1.8 m (6 ft) and 2,000 tumbles at 0.5 m (1.6 ft), and with an IP41 ingress rating for water and dust, the Xenon XP 1950g scanner delivers class-leading durability. This significantly reduces scanner downtime and service costs, leading to a longer lifecycle and a lower total cost of ownership.

Designed for environments that demand high-accuracy scanning of barcodes, whether at a distance, or even on damaged barcodes, this scanner had an excellent working reading read-range.



The Xenon XP 1950g scanner is purpose-built for fast performance when time is of the essence.

FEATURES & BENEFITS



Superior scanning performance, even on damaged and poor-quality barcodes, eliminates wasted seconds from every transaction.



Engineered to withstand 2,000 0.5 m (1.6 ft) tumbles and 50 1.8 m (6 ft) drops, the scanner brings class-leading durability and reliability to any environment.



The scanner is optimized for scanning both digital codes off customer smartphones and merchandise codes by the cashier at the register.



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



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

Xenon Performance (XP) 1950g Technical Specifications

MECHANICAL/ELECTRICAL

Dimensions (L x W x H): 99 mm x 64 mm x 165 mm
(3.9 in x 2.5 in x 6.5 in)

Scanner Weight: 160 g (5.6 oz)

Input Voltage: 4.4V DC – 5.5V DC

Operating Power (Charging) Bases: 2.5W
(500 mA @ 5V DC)

Host System Interfaces: USB, Keyboard Wedge,
RS-232, RS485 support for TGCS (IBM) 46XX

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

ENVIRONMENTAL

Operating Temperature: 0°C to 50°C
(32°F to 122°F)

Storage Temperature: -40°C to 70°C
(-40°F to 158°F)

**Electrostatic Discharge (ESD) (Scanners
and Cradles):** ±8 kV indirect coupling plane,
±15 kV direct air

Humidity: 0% to 95% relative humidity,
non-condensing

Tumble Spec: 2,000 0.5 m (1.6 ft)
tumbles (impacts)

Drop: Engineered to withstand 50 1.8 m (6 ft)
drops to concrete

Environmental Sealing: IP41

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

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

SR: Horizontal: 48°; Vertical: 30°

HD: Horizontal: 48°; Vertical: 30°

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
symbolologies

Note: Decode capabilities dependent
on configuration

Warranty: 5-year factory warranty

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
NARROW WIDTH		
3 mil Code 39	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 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 in)

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

** Data Matrix (DM)

