
Biomark HPR Lite Reader

ISO Compatible



DESCRIPTION

The Biomark HPR Lite is a hand-held battery powered EID transponder reading device that is compatible with the technical specifications of ISO Standards 11784 and 11785, including FDX-B, HDX, FDX-B BioTherm tags, FDX-B Fastags, FDX-A (FECAVA), Trovan tags, Avid Encrypted tags, and UNIQUE (Manchester) microchips.

CONSTRUCTION

The Reader is waterproof (IP67), shock resistant, designed to be easily held and operated, and convenient to position in the vicinity of the transponder being scanned. The HPR Lite reader was not designed or intended to be operated underwater or otherwise intentionally submerged.

ACCESSORIES INCLUDED

Hard protective carrying case, international power supply/battery charger (100-240V; 50-60Hz; 2.0 Amp), micro USB-PC communication cable, test tag, user manual and hand strap.

SPECIFICATIONS

Biomark HPR Lite Reader

GENERAL

Frequency:	134.2 kHz
RFID Compatibility:	FDX-B, HDX, FDX-B Fastag, FDX-B BioThermo, FDX-A, Avid Encrypted, Trovan, Unique (Manchester Encoded)
BioTherm Temperature Tag Range:	33° - 43°C (±0.5°C)/91.4°F – 109.4°F (±0.9°F)
Form Factor:	Portable Enclosure
User Interface:	Single “On/OK” Activation Button 4 Toggle Menu Navigation/Option Select Buttons LCD high contrast screen 38 mm X 38 mm Audible Beeper and Blue LED “Read” Indicator Vibration
Tag Format	Hexadecimal or Decimal
Calendar:	DMY/MDY/ISO 8601
Data Port:	Micro USB port and Bluetooth® module
Memory:	50,000 tag codes w/date-time stamp and temperature (if enabled), circular
Internal Battery Power:	Internal 7.2V Lithium Ion Re-chargeable
Battery charge duration:	<6 hours in fast charge (2 Amp AC power supply) ≤16 hours in slow charge (computer)
AC Power Supply	100-240V; 50-60Hz; 2.0 Amp
Agency Certifications:	FCC Part 15 Canadian ICES-003 IP67

PHYSICAL/ENVIRONMENTAL

Dimensions:	31 cm L x 12.5 cm W x 4 cm H (12.2 in L x 5 in W x 1.6 in H)
Weight:	450g
Outer Casing Material:	PC/ABS plastic
Operating Temperature	-20°C to 60°C /-4°F to 140°F
Storage Temperature	-20°C to 70°C /-4°F to 158°F
Humidity:	10 to 90 % (IP67)
Waterproofing:	Can withstand submersion from 0.15 m (0.5 ft.) to 1 m (3.2 ft.) for 30 minutes (IP67). Not designed to be operated while submerged.

PERFORMANCE

Reading Orientation:	0° to 45° with less than 10% range decrease
Read Error Rate:	Less than 1 in 10 ⁶