



Portable RFID Controller/Antennas

Cobalt HF816/HF818 RFID Wands

FEATURES

Portable Handheld Reader/Writer.

Cobalt HF™ controller supports multiple 13.56 MHz air protocols.

Rugged structure resists shock and vibration.

Foam covered handle for sure grip.

Light weight.

Serial communications cable included.

Industrial M12 connector protects against dust and moisture.

SERIAL OUTPUTS:

HF816: RS232, 2 meter cable

HF818: USB, 3 meter cable.

COMPATIBLE TAGS

ISO15693, ISO1443A,
EMS HMS Series,
LRP Series, T Series.

READ RANGES

TAG MODEL IN. / MM

HMS108 Up to .31 / 8

HMS112 Up to .40 / 10

HMS125/HT Up to .79 / 20

HMS150/HT Up to 1.10 / 28

LRP125S Up to 1.0 / 25

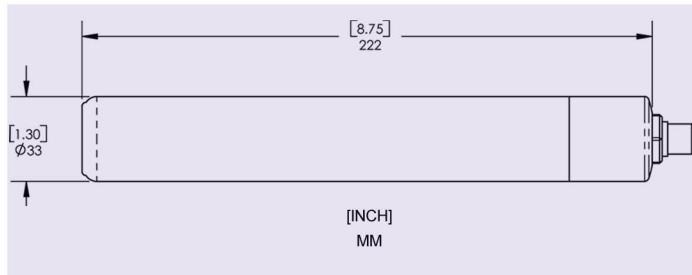
LRP250S Up to 1.6 / 40

COMPLIANCE:

RFID AT WORK™



HF818 with USB Cable



The Cobalt HF816 and HF818 RFID Wands are built on the advanced controller electronics and firmware design of the Cobalt HF™ product family. They read and write to ISO15693 or ISO14443A tags, including the EMS LRP, HMS, and T series of industrial RFID tags.

The two models offer a choice between USB or RS232 serial communications: USB for the HF818 or RS232 for the HF816. Power is supplied to the HF816 from its included DC power supply and routed into the M12 connector. The HF818 receives power from the USB connection.

The rugged and environmentally protective enclosure of the HF16 and HF818 make them suitable for use in harsh factory conditions.

SPECIFICATIONS

Dimensions:

8.75" long x 1.30" diameter

(222mm x 33mm)

11.5 oz (325 grams)

Shock Resistance:

IEC 68-2-27 Test EA 30g, 11ms,
3 shocks each axis.

Vibration Resistance:

IEC 68-2-6 Test FC 1.5mm; 10
to 55 Hz; 2 hrs each axis.

Electrostatic Discharge:

8kV contact, 15 kV air
discharge.

Operating Temperature:

-22° to 122° F (-30°C to 50°C).

Storage Temperature:

-22° to 140° F (-30° to 60°C).

Protection Class:

IP66.

Humidity:

0 to 95% non-condensing.

Power:

HF816: 12VDC; 160mA.

HF818: 5VDC; 385mA.

RF Output: 100 mW.

RF Data Transfer Rate:

1000 bytes/sec