



Portable RFID Controller/Antenna

Cobalt HF814

RFID Wand

FEATURES

- Portable 13.56 MHz HF Reader/Writer.
- Solid Encapsulation.
- Rugged Enclosure.
- Coiled cable permits up to 4.5 feet distance from terminal.

USE WITH

PC2420 Handheld Terminal.

COMPATIBLE TAGS

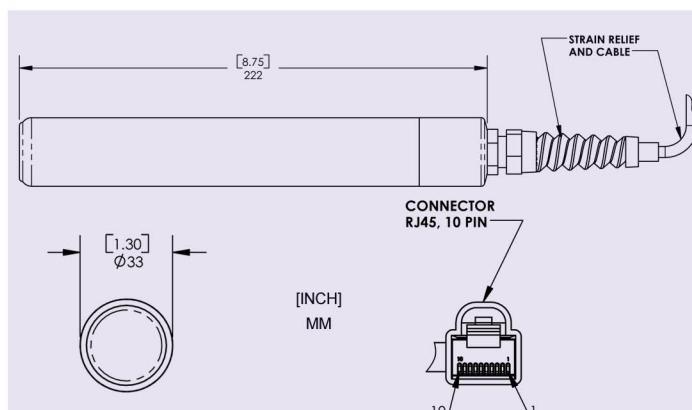
HMS Series Tags.

READ RANGES

TAG MODEL	IN. / MM
HMS108	Up to .31 / 8
HMS112	Up to .40 / 10
HMS125	Up to .79 / 20
HMS125HT	Up to .79 / 20
HMS150	Up to 1.10 / 28
HMS150HT	Up to 1.10 / 28.

COMPLIES WITH:

FCC, CE, TELEC.



The Cobalt HF814 RFID Wand Portable Controller/Antenna from Escort Memory Systems is a direct replacement for the popular HMS814 Portable Reader/Writer, to be used with the PC2420 Handheld Terminal to provide a complete RFID read/write system. The RF controller electronics of the HF814 are based on the highly reliable Cobalt controller platform.

Application software for use with the HF814 is supplied with the PC2420 to support reading and writing to any of the 736-byte HMS Series of passive RFID tags from EMS. Power is supplied to the Wand from the PC2420 via the coiled 4.5 foot communications cable.

The rugged and environmentally protective enclosure of the HF814 makes it suitable for use with HMS tags 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.
- Supply Power (PC2420):**
5 VDC; 170 ma, 350 ma peak.
- RF Data Transfer Rate:**
1000 bytes/sec