



HM-USB-ISO
USB HART Modem,
Isolated



Description:

Perform HART communications between a HART transmitter and a Windows or Android device using USB.

Features and Benefits:

- 1500 Vdc Opto Isolation between HART and USB circuits
- Supports all USB versions
- Integral standard USB type A connector
- Integral heavy duty HART Mini-grabber connectors
- Meets FieldComm Group specification HCF_SPEC-54
- Self powered, no external power supply or batteries needed
- Easy to install Virtual Serial Port for any Windows application
- Works with DevCom2000 and DevComDroid and many other HART Windows software
- Rugged ABS plastic enclosure with rubber boot
- Custom cable lengths available
- Banana plug option available (HM-USB-ISO-BP)
- Boost feature for low resistance loops (requires DevCom2000)
- 1 Year warranty



Specifications:

Enclosure

| | |
|-------------------|--|
| Material | High strength ABS Plastic |
| Boot | Black Silicone 60 |
| Dimensions | 2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm) |
| Total Unit Weight | 4.3 oz (122 g) |

Cables

| | |
|-----------------------|--------------|
| HART Cable Length | 4' (1.2 m) |
| HART Cable Connectors | Mini-Grabber |
| USB Cable Length | 18" (0.5 m) |
| USB Cable Connector | USB Type A |

HART

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|-------------------|--|
| Interface | Capacitive and transformer coupling |
| Output | 600 mVpp |
| Leakage | < 10 uA |
| Isolation Voltage | 1500 Vdc |
| Connections | Across loop resistor or HART field device |
| Specifications | HART 4, HART 5, HART 6, HART 7, <i>wireless</i> HART HART Physical Layer Spec HCF_SPEC-54 |
| FieldComm Group | Registration Number L2-06-1000-070 |

Computer

| | |
|------------------|--|
| Operating System | Windows 7 and higher Android 4.3 and higher |
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USB

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|----------------|---------------------------------|
| Specifications | USB 1.1, USB 2.0 |
| Power | USB port provides power to unit |
| Current Draw | 20mA |

Environmental

| | |
|-----------------------|--|
| Operating Temperature | 0 degC to 50 degC (32 degF to 122 degF) |
| Storage Temperature | -40 degC to 85 degC (-40 degF to 185 degF) |
| Humidity | 0% to 99% (non-condensing) |

Compliances

| | |
|------------------|---|
| CE Certification | EN 61326 (EMC), Directive 2011/65/EU (RoHS) |
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