

USB HART® Modem  
(HM-USB-ISO)  
Datasheet



**Features:**

- 1500 Vdc protective isolation between HART and USB circuits
- USB 1.1 and 2.0, backward compatible with USB 3.0 and SS USB
- Industry standard USB type A connector
- HART Communication DTM (HART CommDTM) supplied for FDT applications
- HART modem test program included
- Certified to meet HART Physical Layer Specification HCF\_SPEC-54
- HART Foundation registered, registration number L2-06-1000-070
- CE certified
- Integral heavy duty HART mini grabber connectors
- Self powered, no external power supply or batteries needed
- 1.2m cable length
- Easy to install Virtual Serial Port for any Windows application
- Compact size 70mm x 51mm x 20mm
- Rugged ABS plastic enclosure
- Custom cable lengths available
- Banana plug option available (HM-USB-ISO-BP)
- Cost effective
- Each unit 100% tested
- 1 Year warranty



**Specifications:****Enclosure**

Material	High strength ABS Plastic
Dimensions	70mm x 51mm x 20mm
Total Unit Weight	85 g

**Cables**

HART Cable Length	1.2 m
HART Cable Connectors	Mini-Grabber
USB Cable Length	0.5 m
USB Cable Connector	USB Type A

**HART**

Interface	Capacitive and transformer coupling
Output	600 mVpp
Leakage	< 10 $\mu$ A
Isolation Voltage	1500 Vdc
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54
HART Foundation	Registration Number L2-06-1000-070

**Computer**

Operating System	Windows 32 and 64 bit versions: NT, 2000, XP, Vista, 7, 8, 8.1, and 10
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**USB**

Specifications	USB 1.1, USB 2.0, backward compatible with USB 3.0 and SS USB
Power	USB port provides power to unit
Current Draw	20mA

**Environmental**

Operating Temperature	0 deg.C to 50 deg.C
Storage Temperature	-40 deg.C to 85 deg.C
Humidity	0% to 99% (non-condensing)

**Compliances**

CE Certification	EN 61326 (EMC)
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**Contact Information:**

**HART Expert Ltd**, 125 Greenways, Gloucester, Gloucestershire, GL4 3SA, UK  
Phone: +44 (0)7966 233639  
Email: [info@hart-expert.co.uk](mailto:info@hart-expert.co.uk)  
Web: [www.hart-expert.co.uk](http://www.hart-expert.co.uk)

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