



**HM-USB-ISO**  
**HART<sup>®</sup> Modem - USB**  
**Electrically Isolated**



**Features:**

- 1500 Vdc Opto Isolation between HART and USB circuits
- USB 1.1 and 2.0 compatible
- Integral standard USB type A connector
- Integral heavy duty HART Minigrabber connectors
- Certified to meet HART Physical Layer Spec HCF\_SPEC-54
- Self powered, no external power supply or batteries needed
- 48" (1.2m) cable length
- Easy to install Virtual Serial Port for any Windows application
- Compact size 2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)
- Rugged ABS plastic enclosure with rubber boot
- Custom cable lengths available
- Banana plug option available (HM-USB-ISO-BP)
- HART Modem Test Program included
- HART Foundation Registered, Registration Number L2-06-1000-070
- CE certified
- Cost effective
- Boost feature for low resistance loops (requires DevCom2000)
- 1 Year warranty



## Specifications:

### Enclosure

Material	High strength ABS Plastic
Dimensions	2.75" x 2.0" x 0.8" (70mm x 51mm x 20mm)
Total Unit Weight	3 oz (85 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

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, HART Physical Layer Spec HCF_SPEC-54
HART Foundation	Registration Number L2-06-1000-070

### Computer

Operating System	Windows XP, Vista (32/64), 7 (32/64), 8 (32/64), 10 (32/64)
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### USB

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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## ProComSol, Ltd

*Process Communications Solutions*

Phone: 216.221.1550  
Toll Free: 877.221.1551  
Fax: 216.221.1554  
Email: [sales@procomsol.com](mailto:sales@procomsol.com)  
Web: [www.procomsol.com](http://www.procomsol.com)