

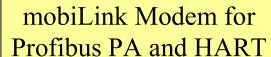








## **MOBI-PA**













### **Description:**

Perform Profibus PA and HART communications in hazardous areas using Bluetooth interface. USB interface for communications in non-hazardous areas. Other fieldbus protocols available. Visit our website for more information.

### **Features:**

- Compliant Profibus PA Host
- Compliant HART Master
- Suitable for Hazardous areas, Zone 1
- Rugged IP54 enclosure
- USB interface (safe area only)
- Bluetooth and Bluetooth LE interface (Hazardous areas)
- Battery powered, over 45 hours of continuous operation
- Profibus PA DTM included (for FDT systems)
- HART DTM included (for FDT systems)
- Works with DevCom2000, DevComDroid and DevCom.iOS (for HART)









#### **Process Communications Solutions**

## **Specifications:**

**Enclosure** 

Dimensions 6.9" x 2.9" x 1.3" (175 mm x 74 mm x 32 mm)

Total Unit Weight 11.6 oz (330 g) including Batteries

Protection Class IP 54

**Safety** 

Intrinsic safety EX ia IIB, Ui = 30 V or FISCO field device

IECEX Ex ib [ia Da] IIIC T100°C Db ATEX II 2D Ex ib [ia Da] IIIC T100°C Db

Isolation 1500 VDC between USB and field device connections

**Profibus PA** 

Standard IEC 61158-2, Type 1: 31.25 Kbit/s, voltage mode Input Current 10 mA in Bluetooth and regular USB mode 18 mA (with fieldbus voltage > 9.5V)

Fieldbus Terminator None

HART

Connections Across loop resistor or HART field device

Specifications HART 4, HART 5, HART 6, HART 7, wirelessHART

HART Physical Layer Spec HCF\_SPEC-54

**DTM** 

Operating System Windows 7 Professional or higher

DTM not needed for DevCom Apps or software

<u>USB</u> Specifications

Specifications USB 2.0

Power 3x AA Batteries, USB port provides power to unit (in safe area only)

Current Draw 100mA, note that batteries are still required for operation

Bluetooth

Type Dual Mode (BT Classic and BLE)

Frequency 2.4 GHz Range 46' (14m)

Connections

Profibus PA4mm banana jacksHART4mm banana jacksUSB ConnectorUSB Type C

**Environmental** 

Operating Temperature -20 degC to 50 degC (-4 degF to 122 degF)
Storage Temperature -40 degC to 85 degC (-40 degF to 185 degF)

Humidity 0% to 95% (non-condensing)

Compliances

Certifications EMC, ATEX, IECEx, RED, RoHS, WEEE

See user manual for details

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