



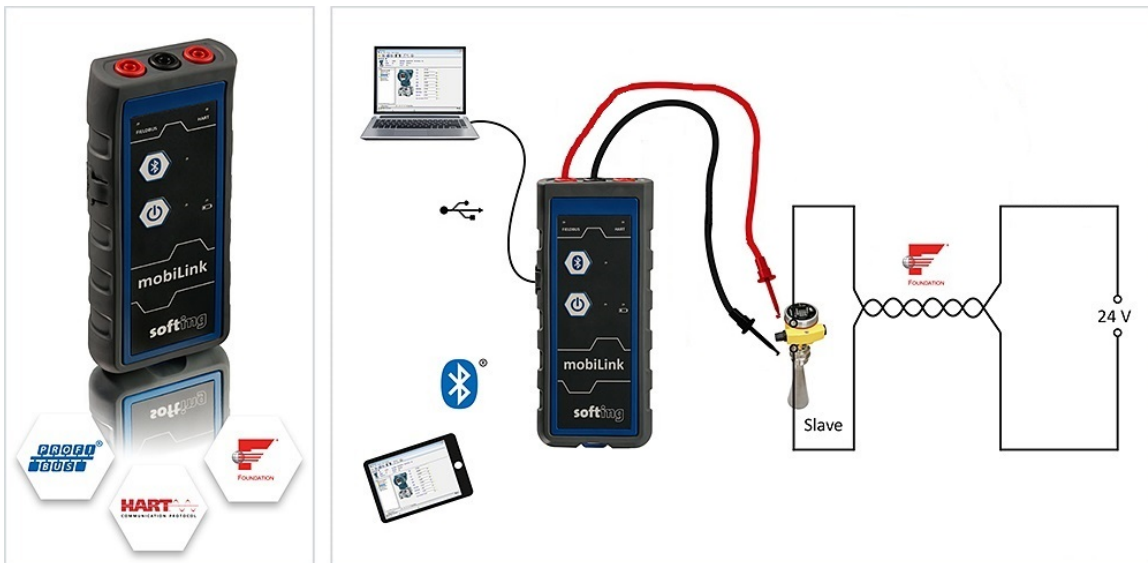
**MOBI-FF**  
mobiLink Modem for  
FF and HART®



Perform Foundation Fieldbus (FF) and HART communications in hazardous areas using Bluetooth interface. USB interface for non-hazardous areas. Other fieldbus protocols available. Visit our website for more information.

**Features:**

- Compliant FF Host
- Compliant HART Master
- Suitable for Hazardous areas, Zone 1
- Rugged enclosure to IP54 standard
- USB interface (safe area only)
- Bluetooth and Bluetooth LE interface
- Battery powered, over 45 hours of continuous operation
- FF DTM included (for FDT systems)
- HART DTM included (for FDT systems)
- Works with DevCom (for HART)
- Works with DevComFF (for Foundation Fieldbus)



Connection to FF Device



## 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

### FF

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, HART Physical Layer Spec HCF_SPEC-54

### DTM

Operating System	Windows 7 Professional or higher DTM not needed for DevCom Apps or software
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### USB

Specifications	USB 2.0
Power	USB port provides power to unit (in safe area only)
Current Draw	100mA, note that batteries are still required for operation

### Connections

FF	4mm banana jacks
HART	4mm banana jacks
USB Connector	USB 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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