



Viator Bluetooth HART Interface

HM-MT-BT-EX-010041

- Interface for wireless communication between PC host and any HART field device
- Registered with HART Communication Foundation
- ATEX and IECEx approval
- UL listed for North America
- Powerful, high-speed Bluetooth with 100 m open-air range
- Adaptive frequency hopping to reduce radio-frequency interference
- HARTCommDTM software supports use with FDT Frame applications
- Compatible with 32- and 64-bit Windows® 7, 8, XP, 10, or Vista

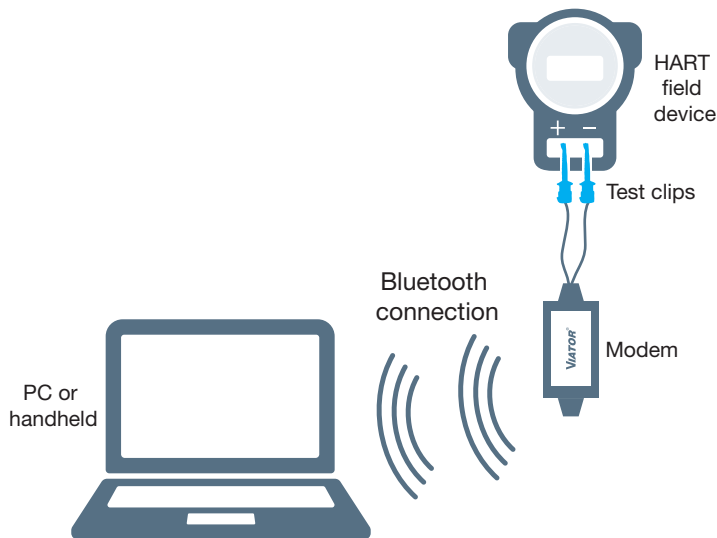
Interface for wireless communication between PC host and HART field devices



Function

The Viator® Bluetooth® Interface is a point-to-point HART modem for temporary connection to HART field devices. The modem is operated by replaceable AAA batteries and can operate for approximately 20 hours. It attaches to a HART field device with 18-inch leads and test clips. The PC host uses an internal Bluetooth interface or a USB-to-Bluetooth converter to communicate with the modem.

Connection



Technical Data

Electrical specifications	
Battery type	3 x AAA-size batteries, 1.5 V DC, alkaline cells, type LR03, Energizer® EN92
Operating duration	approx. 20 h (continuous operation)
Interface	
Physical	Bluetooth v2.0, Class 1, EDR
Transmitter frequency	2402 ... 2480 MHz (Bluetooth)
Transmitter radiated power	18 dBm
Detection range	100 m in air
Antenna	integrated omnidirectional
Output	
Signal	HART-compliant trapezoidal wave at 1200/2200 Hz

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com



Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

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Technical Data

Directive conformity	
Radio and telecommunication terminal equipment	
Directive 2014/53/EU	EN 300 328 V2.1.1 , EN 301 489-17 V3.1.1
RoHS	
Directive 2011/65/EU (RoHS)	EN 50581:2012
System requirements	
Hardware requirements	any PC, PDA, laptop, or other computer with Bluetooth capability
Operating system	Windows® , Windows Mobile® or any OS that supports Bluetooth COM port
Approvals and certificates	
FCC approval	FCC Part 15 B , FCC ID: T9J-RN41-3
IC approval	ICES-003 , IC ID: 6514A-RN413
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	0 ... 95% , non-condensing
Mechanical specifications	
Degree of protection	IP20
Connection	HART I/O Interface cable , 0.5 mm ² (20 AWG) fine-strand , termination test clips
Material	Polycarbonate
Dimensions	88 mm x 42 mm x 19 mm
Cable length	0.5 m
Data for application in connection with hazardous areas	
EU-type examination certificate	CML 16 ATEX 2379
Marking	Ⓜ II 1G Ex ia IIC T4 Ga , -20 °C ≤ T _{amb} ≤ 50 °C
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012 / A11:2013 , EN 60079-11:2012
International approvals	
UL approval	E106378
Approved for	Class I, Div. 1 or Div. 2 Groups A, B, C, D T4 Class I, Zone 0, AEx ia IIC T4 Ga; Ex ia IIC T4 Ga
IECEx approval	
IECEx certificate	IECEx CML 16.0138
IECEx marking	Ex ia IIC T4 Ga , -20 °C to +50 °C
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .

Accessories

	PACTware 4.1	FDT Framework
	DTM Generic HART	