

Features

- 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

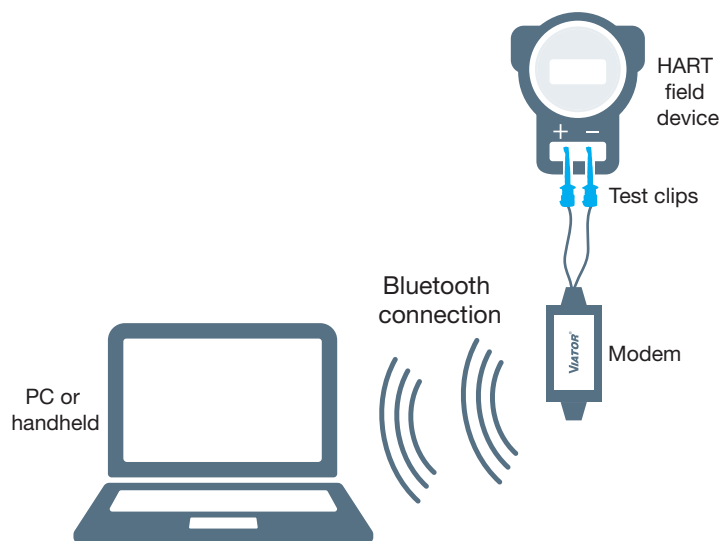
Application

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



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
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
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 , 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

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