



Viator Bluetooth HART Interface

HM-PF-BT-EX-010041

- Interface for wireless communication between PC host and any HART field device
- Registered with HART Communication Foundation
- Compatible with 32- and 64-bit Windows® 7, 8, 10, or 11
- Powerful, high-speed Bluetooth®
- Adaptive frequency hopping to reduce radio-frequency interference
- HARTCommDTM software supports use with FDT Frame applications
- ATEX and IECEx approval
- UL listed for North America

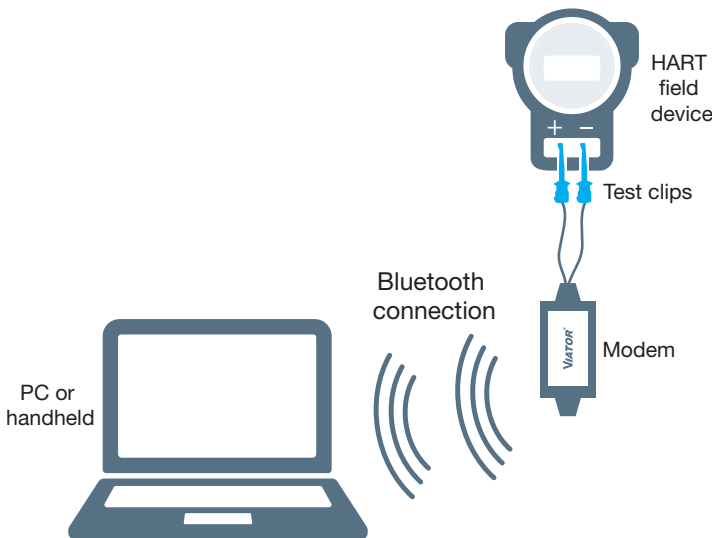
Interface for wireless communication between PC host and HART field devices



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 80 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, approved batteries
Operating duration	approx. 80 h (continuous operation)
Interface	
Physical	Bluetooth v2.1, Class 2, EDR
Transmitter frequency	2402 ... 2480 MHz (Bluetooth)
Transmitter radiated power	max. 5.5 dBm
Detection range	20 m in air
Antenna	integrated omnidirectional
Output	
Signal	HART-compliant trapezoidal wave at 1200/2200 Hz

Release date: 2024-08-06 Date of issue: 2024-08-06 Filename: 70167603_eng.pdf

Technical Data

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: 2A3WYID7
IC approval	ICES-003 , IC: 30237-IDC747

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
Height	19 mm
Width	42 mm
Length	88 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

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
UKCA approval	
UKCA certificate	CML 21UKEX2638
UKCA marking	Ⓜ II 1G Ex ia IIC T4 Ga -20 °C ≤ T _{amb} ≤ 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

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.