Viator Bluetooth HART Interface
HM-MT-BT-GP-010040

- Interface for wireless communication between PC host and any HART field device
- Registered with HART Communication Foundation
- 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
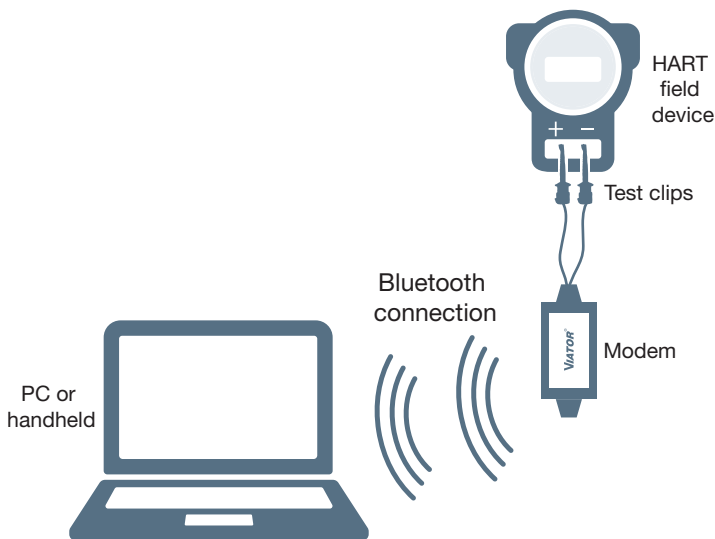- Compatible with 32- and 64-bit Windows® 7, 8, XP, 10, or Vista

Interface for wireless communication between PC host and HART field devices

CE Bluetooth®

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
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

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

PEPPERL+FUCHS

1

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	
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	Device type manager (DTM) for HART communication

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

Pepperl+Fuchs Group   USA: +1 330 486 0002   Germany: +49 621 776 2222   Singapore: +65 6779 9091
www.pepperl-fuchs.com   pa-info@us.pepperl-fuchs.com   pa-info@de.pepperl-fuchs.com   pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS   2