MACTek® VIATOR® USB HART® Interface Model 010031

WIKA Data Sheet SP 10.11



Applications

- Personal Computer HART® Interface
- Communicates with all registered HART[®] Field Devices
- Operates with most PC based HART[®] Communication compliant Software



- Compact, rugged case
- CE Mark for sale in Europe
- Integral HART[®] cable with two test clips
- Integral USB Cable
- Transformer isolation
- USB powered / no external power needed
- USB 1.1 compliant
- Polarity insensitive



USB HART® Interface

Description

Overview

The VIATOR USB HART[®] Interface is a PC communication link to HART networks for commissioning, servicing, calibrating, or acquiring data from any HART instrument or transmitter.

Features

The Interface operates on low power, is isolated, and fully HART® compliant. It draws power from the USB port and requires no external power supply. The Interface operates on as little as 30 mA of USB supplied power, well within the capabilities of all PCs. The Interface adheres to the USB 2.0 standard. The VIATOR USB HART® Interface Software Driver included on the VIATOR Interface Installation CD provides the link between the USB port and the HART® communication software, by generating a virtual communications port.

Designed for Easy Use

The interface is enclosed in a small, rugged ABS plastic case, suitable for the industrial environment. The interface connects to your computer with a short integral cable terminating in a USB A connector, and connects to a field device with an integral cable terminating in two test clips.

Compatibility

The Interface is compatible with the following Windows operating systems:

- Windows 98 second edition / Windows ME
- Windows 2000
- Windows XP



TECHNICAL SPECIFICATIONS	VIATOR USB HART® Interface
SOFTWARE	
Operating System	WINDOWS 98,2000,XP
USB Interface	Available USB Port
ELECTRICAL	
Power Supply	System powered by USB Port. Does not use external power supply
Supply Current	30mA @ +5V.
Pins to Computer	USB Connector
Pins to HART® Device	2-pin, polarity insensitive test clips
Output Level	0.5 +/- 0.1 Vpp trapezoidal wave @ 1200/2200 Hz
Isolation	1500 VDC between instrument and computer
ENVIRONMENTAL	
Operating Temperature	0 °C to 50 °C (32 °F to 122°F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Storage Humidity	0% to 95% relative humidity
PHYSICAL DIMENSIONS	
Enclosure	75 x 33.3 x 15 mm (2.95 x 1.31 x 0.59 in) ABS industrial enclosure
Test Clip Cable	2m (6 ft), 2-strand wire terminating in two test clips
USB Cable	0,15m (6 in), cable terminating in a USB type A connector
CERTIFICATION	
EMC 89/336/EEC	CE approved for emissions and immunity, EN 61326

Product	Order No.
Model 010031	11025166
Alternative available	
Modem RS232	7957522
Modem RS232 ATEX EEx ia approved	2442791

Products manufactured by



Modifications may take place and materials specified may be replaced by others without prior notice. Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.

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