# MACTek® VIATOR® USB HART® Interface
# Model 010031

## Applications

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

## Special Features

- 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

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| 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



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Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.