

# **HiTECH**

Technologies, Inc.

## **HiTECH-CONNECT™**

### **HART® Compatible Interface**

Model HC-232 & HC-USB

*It's easy to talk to any HART® instrument  
with a personal computer and a **HiTECH-CONNECT™***

**USB HART Interface (HC-USB)**

**RS232 HART Interface (HC-RS232)**

#### **Economical and easy-to-use**

- **Fully HART compliant for communication with any HART instrument and error-free slave testing**
- **Low power operation long battery life and notebook compatibility**
- **Requires no special installation**
- **CE approved for sale in Europe**
- **Draws power from RS232 port or USB port needs no external power supply**
- **Rugged ABS plastic case - industrial-grade reliability in a small package**
- **Adheres to EAI-RS232C standard and provides DTR/DSR and CTS/RTS signaling plus true CD for hardware handshaking**
- **Integral 6-foot connector cable terminates in two test clips**
- **Polarity insensitive - attach either test clip to positive and negative pole**
- **Transformer isolation allows connection across the current sense resistor or the field device**



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## **SPECIFICATIONS**

	<b>HiTECH CONNECT RS232 or USB HART Interface</b>
<b>SOFTWARE</b>	
Operating System	OS that supports serial COM port
<b>ELECTRICAL</b>	
Power Supply	+ 4V to + 12V. System powered through by PC. Does not require external power supply
Supply Current	1.5 mA @ +4V. 4.0 mA @ + 12V
Pins to Computer	DB-9 Connector (HC-232) or USB (HC-USB)
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
<b>ENVIRONMENTAL</b>	
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
<b>PHYSICAL DIMENSIONS</b>	
Enclosure	1.95x1.31x0.59 in(49.4x33.3x15 mm) ABS industrial enclosure
Cable	6' 2-strand wire terminating in two test clips
<b>CERTIFICATION</b>	
EMC Directive 8989/336/EEC	CE approved

### **PERFORMANCE GUARANTEE**

Since 1986, every instrument sold by **HiTECH** has been guaranteed to perform in the application it originally was engineered and recommended for. Our company policy remains the same, every product sold comes with a **written performance guarantee**.

Should the equipment be unable to perform satisfactorily in your application and we are not able to correct the problem, we will accept the instrument in return and issue full credit.

This performance guarantee is valid for 60 days. Thereafter, our standard limited two years factory warranty goes into effect.