Honeywell

Model HH

Portable LCD Display/Signal Conditioner



DESCRIPTION

The model HH handheld instrument features a full 3-1/2 digit LCD display and is designed for use in remote field operations as a portable calibrator or readout device. Shunt calibration offers the operator quick field setup with a minimum of warm-up. A peak/hold feature is standard.

FEATURES

- Strain-gage/bridge based transducer input
- 3 1/2 digit LCD display
- Battery powered
- Peak hold and shunt cal features

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Model HH

GENERAL SPECIFICATIONS

Characteristic	Measure
Number of channels	1
Material	Hand-held plastic case

ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating	0 °C to 54 °C [32 °F to 130 °F]
Temperature, storage	-29 °C to 66 °C [-20 °F to 150 °F]
Power requirement	Battery - one 9V cell

TRANSDUCER INTERFACE SPECIFICATIONS

Characteristic	Measure
Transducer excitation	2.5 Vdc
Types of inputs accepted	0.5 mV/V to 8 mV/V
Transducer bridge	120 ohm min.
Pushbutton shunt cal	Yes
Calibration method	Manual
Electrical connection type	4 banana jacks
Zero balance	±15 % of full scale (min.)
Noise and ripple	30 microvolts

AMPLIFIER CHARACTERISTICS SPECIFICATIONS

Characteristic	Measure
Non-linearity	±0.1 % of full scale (max.)
Drift, zero	±50 mV (max.)
Drift, span	±50 mV (max.)
Stability, zero	1.0 % of full scale/year
Stability, span	1.0 % of full scale/year
Frequency response	5 Hz
Fine span adjustment	±15 % of range
Fine zero adjustment	±15 % of range
Short circuit protection	Yes

DIGITAL DISPLAY CHARACTERISTICS SPECIFICATIONS

Characteristic	Measure
Number of display characters	3½
Conversion/second	3
Scaling	0-1999
Scaling method	Zero and span adjustment
Max. display count	1999
Polarity indications	Yes
Programmable decimal points	Yes
Display size	10,2 mm [0.4 in]
Overrange indication	Yes
Resolution	1/2000
Type	LCD
Maximum sensitivity	0.1 microvolt/count
Peak/hold	Yes

PHYSICAL CHARACTERISTICS SPECIFICATIONS

Characteristic	Measure
Weight	0,5 kg [1 lb]

POWER SUPPLY SPECIFICATIONS

Characteristic	Measure
Power requirements	One 9V cell

FRONT PANEL SPECIFICATIONS

Characteristic	Measure
Digital display	3-1/2 digits LCD

Not RoHS compliant

OPTION CODES

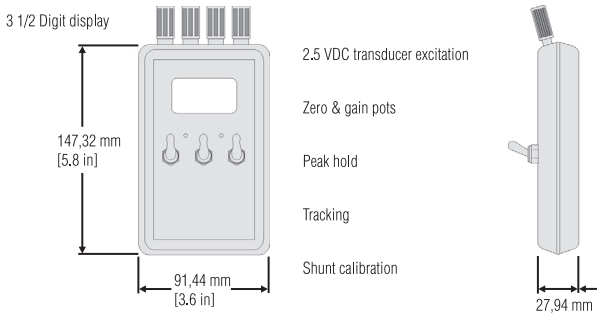
	Many range/option combinations are available in our quick-ship and fast-track manufacture programs. Please see http://sensing.honeywell.com/TMsensor-ship for updated listings.
Input	52c. 10 mV/V to 40 mV/V

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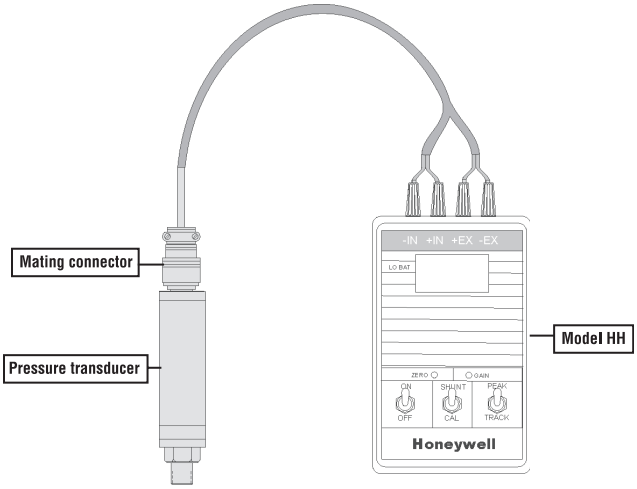
Portable Display/Signal Conditioner

MOUNTING DIMENSIONS AND CHARACTERISTICS



For reference only

TYPICAL SYSTEM DIAGRAM



Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847
Email inquiries to info.sc@honeywell.com

⚠ WARNING

PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

⚠ WARNING

MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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