

## Model 7554

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### Process Monitor and Controller



#### DESCRIPTION

The Model 7554 is a portable process monitor and control instrument designed to work with Honeywell's Auto-ID transducers (for example, Model 1254) for plug-and-play operation.

#### FEATURES

- Continuous process monitoring (tracking)
- Three peak recording functions
- Two record functions (with multiple sampling rates from 1 Hz to 10 kHz and storage for up to 8000 data points)
- Three process control output signals (for high, low, and target occurrences)
- RS-232 output
- Storage capability for up to 8000 peak readings
- Four log operation functions (viewing, uploading, printing, and erasing)
- Selectable engineering units
- Menu locking feature
- Automatic power-down (when sensor is not plugged in)
- Rechargeable Ni-Cad batteries
- Graphic user interface software available (consult factory)
- Optional simultaneous angle or RPM measurements

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## SPECIFICATIONS

Characteristic	Measure
Digits	Five (with no decimal)
Height of digits	6,35 mm [0.25 in]
Sampling rates, track	4 Hz
Sampling rates, peak	5 kHz
Sampling rates, record	Selectable up to 10 kHz
Frequency response	-3 dB at 1000 Hz
Accuracy	max. error = 0.05 % of full scale

## SENSOR INTERFACE SPECIFICATIONS

Characteristic	Measure
Max. input and full scale	±4.5 mV/V
Polarity	Bi-polar
Bridge excitation	7 V supplied
Bridge impedance (min.)	120
Data output	232 port ASCII, 9600 baud, 8-N-1
Control/limit outputs	Open collector
Analog output	0 Vdc to 2.4 Vdc (1 Vdc @ 2 mV/V)
Dimensions (W x D x H)	[152,4 mm x 203,2 mm x 44,45 mm] 6.0 in x 8.0 in x 1.75 in

## POWER SPECIFICATIONS

Characteristic	Measure
ac (adapter supplied)	115 Vac
Batteries	9.6 V internal/rechargeable

**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](http://www.honeywell.com/sensing) or call +1-815-235-6847. Email inquiries to [info.sc@honeywell.com](mailto: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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