

## Model SC2001

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# Portable Transducer Display and Signal Conditioning Unit

### DESCRIPTION

The SC series models are self-calibrating microprocessor-based transducer signal conditioners when used with sig mod equipped transducers. Indicators are available with several different types of input channels and output channels. When used with unamplified strain gage transducers that have the signature calibration module installed, these instruments will completely self calibrate zero, span, decimal point, and engineering units automatically. The Model SC2001 includes all the features of the SC2000 in a portable, rugged enclosure.

Input channels are available for a variety of transducers. Each input channel includes an excitation power supply and either an isolated voltage or isolated current analog output.

- Unamplified pressure or load
- Pressure or load with internal voltage amplifiers
- Pressure or load with internal or external two-wire current amplifiers
- ac/ac displacement transducer
- dc/dc displacement transducer
- RTD temperature probes (Pt100)

### FEATURES

- Portable mounting for SC2000
- Vehicle power or ac power input
- Easy hook up of sensors
- Pressure, load, displacement transducer voltage current, strain gage based sensor input
- Convenient cable storage
- CE approved

Available output channels for the SC2001 include:

- Contact relays for the four standard limits or additional limits (max. 16 limits/chassis)
- Isolated digital-to-analog voltage ( $\pm 5$  Vdc or 0 Vdc to 10 Vdc) or current (4 mA to 20 mA)

In addition to the physical input and output channels, up to seven virtual channels can be configured to assist in many potential applications.

### Four channel chassis

The model SC2001 can hold up to four physical channels in their 3/8 DIN Aluminum bench-top chassis. A bright, dual-line 16-character display can display 5, 6 or 7 numeric digits; simply press a button to select the next channel to be viewed. If configured for split-screen operation, up to four channel values can be displayed at the same time. The SC2000 includes four open collector limit (alarm) outputs plus peak and valley detection.

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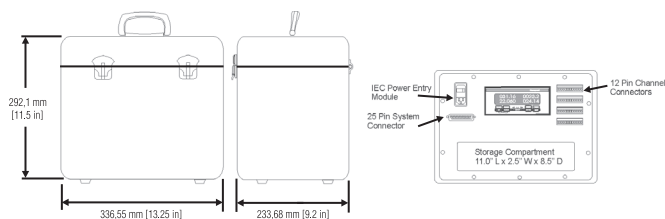
## GENERAL SPECIFICATIONS

Characteristic	Measure
Model	SC2001
Case material	Aluminum
Form factor	Suitcase
Mounting	Portable
Size (W x H x D)	33,7 cm x 29,2 cm x 23,4 cm [13.25 in x 11.5 in x 9.2 in]

See SC2000 data sheet for specification of: display, environmental, special features, communications, power, input amplifier cards, capabilities, options, and system diagram.

Not RoHS compliant

## MOUNTING DIMENSIONS AND CHARACTERISTICS



For reference only

**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.**

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### **⚠ 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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008827-1-EN IL50 GLO  
June 2008  
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