

Model TS

Strain Gage Transducer Simulator



DESCRIPTION

The Model TS is a strain gage transducer simulator for use in calibration or testing display/indicators and signal conditioning amplifiers (pressure, force, torque or weigh systems). It greatly assists in trouble shooting, and testing of systems that use strain gage transducers. The Model TS simulates either a 350 ohm or 5000 ohm strain gage transducer bridge with precise adjust-

ments for transducer sensitivities in five ranges in 0.5 mV/V to 10 mV/V. The output adjustments are in 10 % increments from 0 to 100 % of each of the above ranges. No batteries to replace as the excitation voltage is supplied by the instrument to be calibrated.

FEATURES

- Easy to use
- Simulates either 350 or 5000 ohm transducer bridge
- Rugged, weatherproof case
- Precision wire-wound resistors

Model TS

ELECTRICAL SPECIFICATIONS

Characteristic	Measure
Input excitation requirements	4.5 Vdc to 12 Vdc, constant voltage only
Input resistance	350 ohm or 5000 ohm
Full scale output ranges	0.5 mV/V, 1 mV/V, 2 mV/V, 5 mV/V and 10 mV/V
Output adjustment	0 % to 100 % in 10 % steps
Output linearity and hysteresis, typical	±0.05 % of full scale
Output linearity and hysteresis, maximum	±0.10 % of full scale
Output zero balance, 350 ohm resistance	±100 microvolts max.
Output zero balance, 5000 ohm resistance	0.01 % of full scale max.

ENVIRONMENTAL SPECIFICATIONS

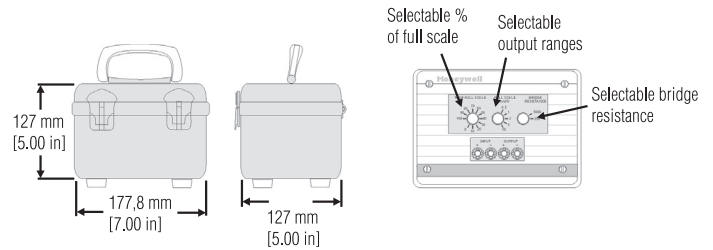
Characteristic	Measure
Temperature, operating	4 °C to 38 °C [40 °F to 100 °F]
Temperature, storage	-29 °C to 91 °C [-20 °F to 195 °F]

PHYSICAL SPECIFICATIONS

Characteristic	Measure
Connections	Binding posts for use with wire or banana jackets
Case size (W x H x D)	17,8 cm x 12,7 cm x 12,7 cm [7 in x 5 in x 5 in]
Case material	Aluminum
Weight	1 kg [2.5 lb]

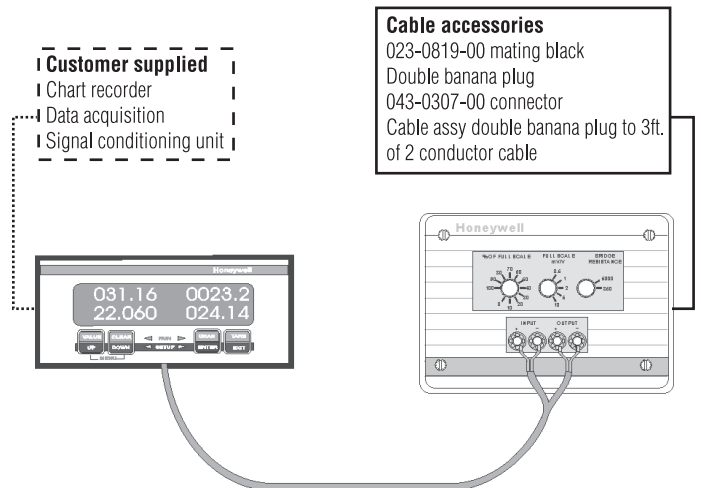
Not RoHS compliant

MOUNTING DIMENSIONS AND CHARACTERISTICS



For reference only

TYPICAL SYSTEM DIAGRAM



- Customer supplied
- Chart recorder
- Data acquisition
- Signal conditioning unit

- Cable accessories**
- 023-0819-00 mating black
 - Double banana plug
 - 043-0307-00 connector
 - Cable assy double banana plug to 3ft. of 2 conductor cable

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.

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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.