Load Cell Simulator / Strain Gauge Simulator
AS600-Series

Features

- Selectable bridge sensitivities
- Selectable bridge resistances
- Switched output polarities
- Output accuracy: +/-0.01%, +/-0.0001mV/V
- No batteries required
- Rugged aluminium design

Description

The AS600-series simulate any type of bridge transducer commonly used for example in Load-Cells, Strain-Gauges, Pressure Sensors and Extensometers, etc. The dual attenuator network gives a symmetrical output simulating a full active bridge sensor and can be switched to give a positive, zero and negative output. It is mounted in a IP54 aluminium die-cast box providing durability in either laboratory or field environments.

Applications

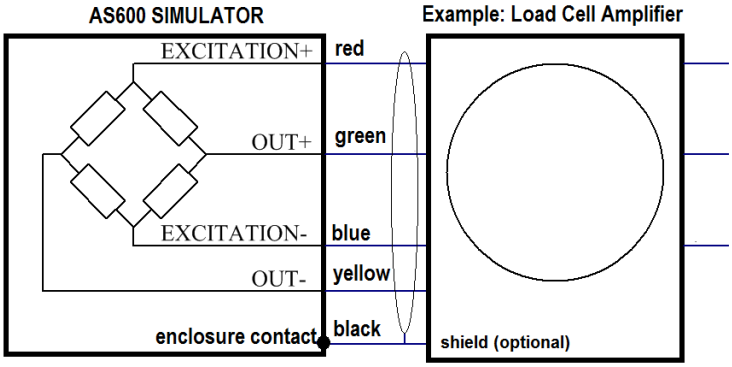
- Amplifier calibration
- Transducer / Amplifier fault-finding
- System commissioning

Ordering

Part number:	AS600, AS610, AS620, AS630
Customer specific electrical / mechanical changes are possible – please contact us with your individual requirements.	

Board / Connector Overview

Schematic Diagram



Specifications – AS600

Parameter	Min	Typical	Max	Unit
Bridge Resistance settings (standard)	120, 240, 350, 700, 1000			Ohms
Bridge Resistance tolerance	-5	1	5	%
Bridge Output settings (standard)	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 / 1.6 / 2.0 / 2.5 / 3.0			mV/V
Bridge Outputs tolerance	+/- 0.01% of reading, +/- 0.0001 mV/V			
Polarity switch settings	negative, zero, positive			
Excitation Voltage			20	V AC, V DC
Size (L x B x H)	115 x 90 x 75			mm
Weight	350			grams
Connectors	binding posts			
Panel silkscreen colour	black			

Bridge Output is measured with 1 GOhm load resistance (unless otherwise specified)

Customer-specific bridge resistance ranges and outputs are possible, as well as company name printed on enclosure lid. Please contact us with your individual requirements.

Specifications – AS610

Parameter	Min	Typical	Max	Unit
Bridge Resistance settings (standard)	120, 350, 700, 1000, 2000			Ohms
Bridge Resistance tolerance	-5	1	5	%
Bridge Output settings (standard)	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0			mV/V
Bridge Outputs tolerance	+/- 0.01% of reading, +/- 0.0001 mV/V			
Polarity switch settings	negative, zero, positive			
Excitation Voltage			20	V AC, V DC
Size (L x B x H)	115 x 90 x 75			mm
Weight	350			grams
Connectors	binding posts			
Panel silkscreen colour	black			
Bridge Output is measured with 1 GOhm load resistance (unless otherwise specified)				

Specifications – AS620

Parameter	Min	Typical	Max	Unit
Bridge Resistance settings (standard)	350, 1000, 2000, 6000, 8000			Ohms
Bridge Resistance tolerance	-5	1	5	%
Bridge Output settings (standard)	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 / 1.6 / 2.0 / 2.5 / 3.0			mV/V
Bridge Outputs tolerance	+/- 0.01% of reading, +/- 0.0001 mV/V			
Polarity switch settings	negative, zero, positive			
Excitation Voltage			20	V AC, V DC
Size (L x B x H)	115 x 90 x 75			mm
Weight	350			grams
Connectors	binding posts			
Panel silkscreen colour	black			
Bridge Output is measured with 1 GOhm load resistance (unless otherwise specified)				

Specifications – AS630

Parameter	Min	Typical	Max	Unit
Bridge Resistance settings (standard)	120, 240, 350, 700, 1000			Ohms
Bridge Resistance tolerance	-5	1	5	%
Bridge Output settings (standard)	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 2.0 / 3.0 / 3.5 / 4.0 / 5.0			mV/V
Bridge Outputs tolerance	+/- 0.01% of reading, +/- 0.0001 mV/V			
Polarity switch settings	negative, zero, positive			
Excitation Voltage			20	V AC, V DC
Size (L x B x H)	115 x 90 x 75			mm
Weight	350			grams
Connectors	binding posts			
Panel silkscreen colour	black			
Bridge Output is measured with 1 GOhm load resistance (unless otherwise specified)				