

Load Cell Amplifier / Strain Gauge Amplifier ASC333

The ASC333 is a circular board for 2-wire systems providing a 4mA - 20mA current output, designed to fit into an inline enclosure. The unit has individual multi-turn potentiometers for the precise setting of Zero and Span. The inputs provide EMI-/RF-suppression. Transducer wires can be easily connected using the clamp connectors.

Features

- Wide-range power supply 7.5V-28V
- 2.5V stabilised bridge excitation
- Bridge resistance ≥ 700 Ohm
- Bridge sensitivity 0.3mV/V – 3mV/V
- Size (Diameter x H): 40.6 x 15mm
- Fast calibration procedure
- Reverse-polarity protection



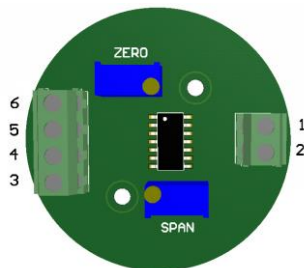
Applications

- Industrial Weighing
- Load Testing & Monitoring
- Industrial Process Control
- Overload Protection Systems

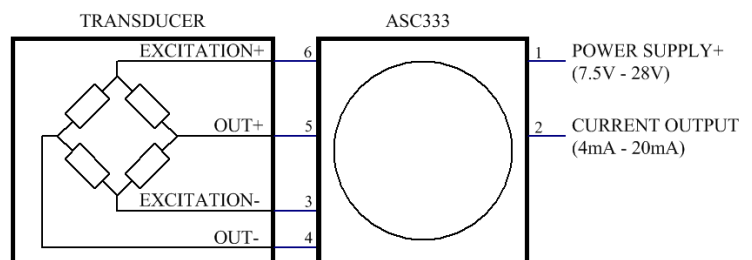
Ordering

Part number:	ASC333*
<i>*Please specify required input range, between 0.3mV/V – 3mV/V</i>	
Customer specific electrical / mechanical changes are possible – please contact us with your individual requirements.	

Board Connections



Schematic Diagram



Specifications

Parameter	Min	Typical	Max	Unit
Supply Voltage	7.5	24	28	V
Current Output – Zero (adjustable control)	2.2	4		mA
Current Output – Span (adjustable control)		20	24	mA
Bridge Sensitivity	0.3		3	mV/V
Bridge Resistance	700			Ohms
Bridge Excitation Voltage		2.5		V
Current Output Temp. Coefficient – Zero		0.25		$\mu\text{V}/^\circ\text{C}$
Current Output Temp. Coefficient – Span		0.0025		$\%/^\circ\text{C}$
Operating Temperature	-20		85	$^\circ\text{C}$