

AS0332 2-Wire 4-20mA Bridge Amplifier

The AS0332 is a miniature circular board for 2-wire systems providing a 4mA - 20mA current output, designed to fit inside a load cell or other transducer. 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 soldered onto the board.

Features

- Wide range power supply 10-30V
- 2.5V stabilised bridge excitation
- Bridge resistance 700 Ohm (or greater)
- Bridge sensitivity 0.3mV/V – 3mV/V
- Size 25.4mm diameter, 21mm height
- Fast calibration procedure
- Reverse-polarity protection



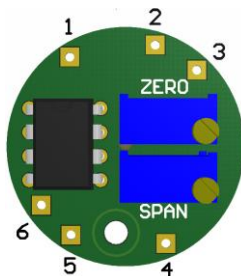
Applications

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

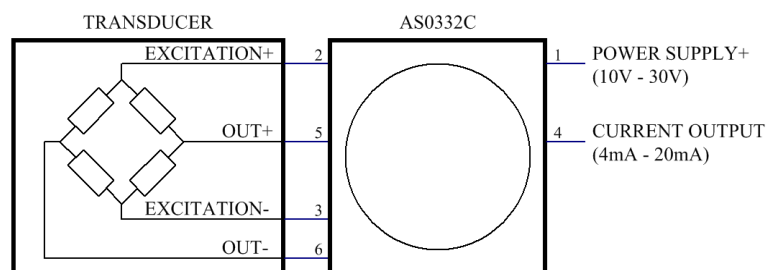
Ordering

Part number:	AS0332*
*Please specify required input range, between 0.3mV/V – 3mV/V	
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	10	24	30	V
Current Output – Zero (adjustable control)	3.9	4		mA
Current Output – Span (adjustable control)		20	23	mA
Bridge Sensitivity	0.3		3	mV/V
Bridge Resistance	700			Ohms
Bridge Excitation Voltage		2.5		V
Current Output Temp. Coefficient – Zero		0.5	2.5	uV/°C
Current Output Temp. Coefficient – Span		0.1		%/°C
Operating Temperature	-20		50	°C