

## Load Cell Amplifier / Strain Gauge Amplifier AS0332B

The AS0332B is a miniature circular board for 3-wire systems providing a 0/4mA - 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 and is also available with **mid. zero output** (12mA for example) for compression / tension transducers. The inputs provide EMI-/RF-suppression. Transducer wires can be easily soldered onto the board.

### Features

- Wide range power supply 10-30V
- 5V stabilised bridge excitation
- Bridge resistance 350 Ohm (or greater)
- Bridge sensitivity 0.3mV/V – 3mV/V
- Size 25.4mm diameter, 21mm height
- Fast calibration procedure
- Reverse-polarity protection



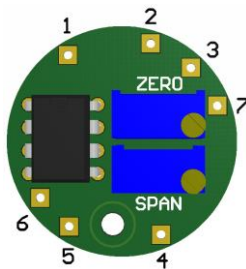
### Applications

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

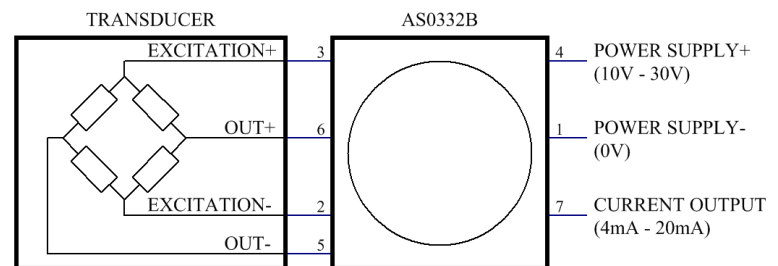
### Ordering

<b>Part number:</b>	<b>AS0332B*</b>
<b>*Please specify required input range, between 0.3mV/V – 3mV/V and current output range 0-20mA or 4-20mA</b>	
<b>Customer specific electrical / mechanical changes are possible – please contact us with your individual requirements.</b>	

### Board Connections



### Schematic Diagram



### Specifications

Parameter	Min	Typical	Max	Unit
Supply Voltage	10	24	30	V
Current Output – Zero (adjustable control)	0	4		mA
Current Output – Span (adjustable control)		20	23	mA
Bridge Sensitivity	0.3		3	mV/V
Bridge Resistance	350			Ohms
Bridge Excitation Voltage		5		V
Current Output Temp. Coefficient – Zero		0.15	1	uV/°C
Current Output Temp. Coefficient – Span		0.1		%/°C
Operating Temperature	-20		50	°C