

- ✓ Input for Strain Gauge Bridges 120 ... 350 Ohm
- ✓ 4 wire Connection
- ✓ Sensitivity 1mV/V or 2mV/V selectable
- ✓ Excitation 5V or 10V selectable
- ✓ Analogue Output 4-20mA
- ✓ Analogue Output 0-10V
- ✓ For 35 mm DIN Rail
- ✓ Supply 24V DC

**OC35-SG** is a transmitter for connection to Strain Gauges with four wire terminals. Internal excitation 5V or to 10V is jumper selectable and can be loaded with up to 80mA. The sensitivity can internally be set for 1mV/V or 2mV/V. The signal from the Bridge is converted into isolated linear analogue output 4-20mA or 0-10V. The accuracy is 0.1% from range. For customized applications the internal amplifier can be set for variety of gains.



**OC35-SG** is supplied from 24V DC and is enclosed in industrial cabinet for mount at 35mm rails. The analogue output is isolated by 250V R.M.S. from the input and from the power supply.

## SPECIFICATIONS

- Input:** 120 ... 350 Ohm Strain Gauge Bridge with four wire terminals  
 Bridge output voltage at Full Scale: 0 ... 5mV up to 0 ... 20mV
- Sensitivity:** 1mV/V or 2mV/V selectable. Other sensitivities are available upon request.
- Excitation:** 5V or 10V DC, maximum current 80mA.
- Output:** Voltage: 0-10V isolated by 250V r.m.s.  
 Current: 4-20mA isolated 250V r.m.s.  
 The full scale of the analogue output corresponds to the full scale of the Strain Gauge signal.
- Filter:** Internal LPF of 0.1Hz defines the settling time of the analogue output.
- Accuracy:** ± 0.1% from range.
- Adjustment:** Zero and Range Potentiometers at the front permit fine trimming of the output signal.  
 Zero: 0V/4mA ±10%  
 Range: 10V/20mA ±20%
- Tempco:** ± 50 ppm /K.
- Supply:** 18-36VDC-5W.
- Cabinet:** For DIN 35mm - rail. Dimensions: 75 x 79 x 40 mm, 200 g.
- Terminals:** Screw terminals.