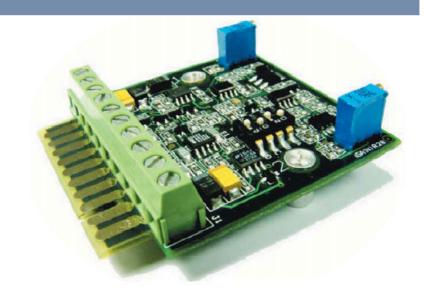


The LIM 4-20 is a low cost LVDT / RVDT transmitter module designed to provide good performance at a cost suitable for OEM applications.

Connection to the LIM 4-20 may be done utilizing the screw terminal barrier strip or optional card edge connector.

Dip switches are provided to set course gain ranges with a 2.5 to 1 screw potentiometer for fine output adjustments. A 4 to 20 mA output may be achieved with LVDT full scale outputs from 100 mV to 5.6 volts RMS.

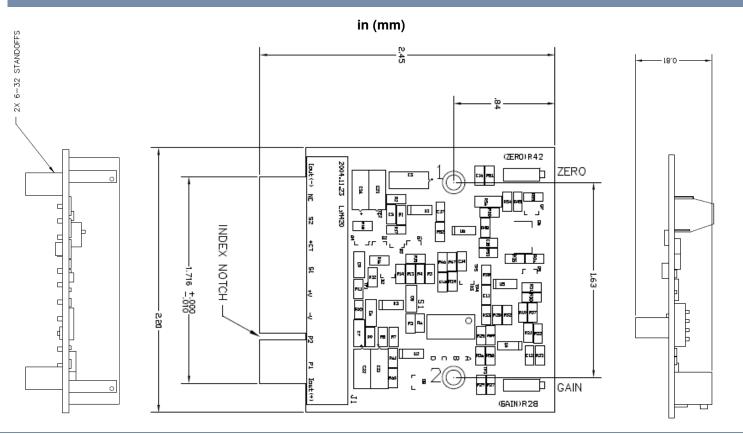
A 20-turn Zero Potentiometer provides for a +/- 2.5 mA zero offset capability.



### **APPLICATIONS**

- Valve Position Feedback
- Roller Gap Sensing
- Paper Head Box Position
- Coater Knife Gap
- Materials testing Machines

### dimensions



Lim 4-20 Rev 1

www.meas-spec.com

# LiM 4-20 LVDT/RVDT Transmitter Module

## **Specifications**

**Transducer Excitation** 

**Operating Temperature** 

Voltage  $3.5 \pm 10\% \text{ V rms (up to 20mA)}$ 

2.5 kHz Frequency Output 4-20mA

**Noise and Ripple** 25 micro-Amps rms (max)

**Maximum Loop Resistance** 500 Ohms (with +24Vdc loop supply)

0.1 to 5.6Vrms (for FS output) Sensitivity

**Fixed Gain** 6 (switch selectable)

**Adjustable Gain** 2.5 to 1 **Zero Adjustment** +/- 2.5mA **Non-linearity** 0.05%

**Frequency Response** 50 Hz (nominal) (-3dB)

0.01% FSO/°F **Temperature Co-efficient** 

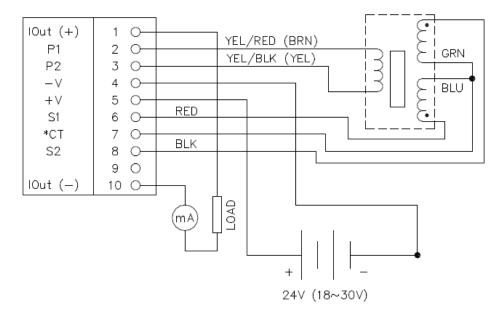
0.02% FSO/°C -13°F to +185°F -25°C to +85°C

**Gain Controls** 20 turn pot (2.5 to 1 ratio)

18 to 30 Vdc **Input Voltage Input Current** 50mA (max)

Stability <0.05% of FSO (after 30-minute warm-up)

#### connections



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