

Operating Specifications (Analog)

(Unless otherwise specified, all parameters are measured at 25°C @ 5.0V applied)

| Parameter | Symbol | Min | Typ | Max | Units | Notes/Conditions |
|------------------------------|--------|-------|------|------|----------|---|
| Zero offset ¹ | | -15 | | 15 | mV/V | mV Output only |
| | | 300 | 500 | 700 | mV | 0.5-4.5V Output only |
| Full scale span ¹ | | 16 | 20 | 24 | mV/V | mV Output only |
| | | 3800 | 4000 | 4200 | mV | 0.5-4.5V Output only |
| Non-linearity | | -1 | | 1 | %Span | BFSL |
| Hysteresis | | -0.8 | | 0.8 | %Span | |
| Zero repeatability | | -0.8 | | 0.8 | %Span | |
| Span repeatability | | -0.8 | | 0.8 | %Span | |
| Thermal shift for zero | | -0.05 | | 0.05 | %Span/°C | Reference to 25°C, over compensated temperature |
| Thermal shift for span | | -0.05 | | 0.05 | %Span/°C | |
| Cycle life | | 1E+6 | | | | 0 to full scale cycles |
| Deflection at rated load | | | | 0.03 | mm | |
| Weight | | | 6.0 | | grams | Without ribbon cable |

⁽¹⁾Span and zero offset are ratiometric to power supply voltage

Environmental Specifications (Analog)

(Unless otherwise specified, all parameters are measured at 25°C @ 5.0V applied)

| Parameter | Symbol | Min | Typ | Max | Units | Notes/Conditions |
|-------------------------------|----------------|---|-----|-----|-------|-----------------------------|
| Compensated temperature range | T _o | 0 | | 50 | °C | 0.5-4.5V Output only |
| Storage temperature | T _s | -40 | | 85 | °C | |
| Ambient humidity | | 0 | | 85 | %RH | Non-condensing |
| EMI/RFI/ESD protection | | IEC61000-4-2 (8kV _{air} /4kV _{contact}) IEC61000-4-3 (3V/m) IEC55032 Class A | | | | mV Output only |
| Ingress protection | IP | | 43 | | | |
| Media compatibility | | External exposed surfaces: 17-4 and 304 stainless steel | | | | Excluding cable & connector |

Schematic Diagram – mV output (Analog)



Block Diagram – 0.5 to 4.5V output (Analog)

