



Televac MX4A Active Gauge

Technical Specifications

Operating Specifications

Operating Range	1x10 ⁻⁴ Torr to 1000 Torr
Display	OLED
Digital Communications	RS-485
Analog Output	Selectable 0 V DC to 10 V DC
Programmable Set Points	2
Set Point 1	Open collector
Set Point 2	Relay
Supply Voltage	22 V DC to 26 V DC
Maximum Power	8 W
Calibration Medium	Dry air or nitrogen
Overpressure	150 PSI
Digital Output Resolution	2 significant digits with exponent
Analog Output Resolution	16-bits
Operating Temperature	0 °C to 50 °C
Storage Temperature	-20 °C to 60 °C
Bakeout Temperature	
Brass (PN: -110, -116, -125)	100 °C (electronics removed)
Stainless (PN: All Others)	200 °C (electronics removed)
Response Time	≤ 2 s
Accuracy (Vertical Mount)	
0.1 mTorr to 1 mTorr	0.1 mTorr resolution
1 mTorr to 10 mTorr	±1 mTorr
10 mTorr to 1000 Torr	±10% of reading
Analog Output	±10 mV
Display Readable Distance	3 m (10 ft)

Physical Characteristics

Housing	Aluminum
Electrical Connections	D-Sub 15-pin male
Weight with Sensor (typical)	350 g (0.77 lbs)
Weight without Sensor (typical)	200 g (0.44 lbs)

Materials Exposed to Vacuum

MX4A PN: 2-8930-110, -116, -125	MX4A PN: All Others
Nickel	Nickel
Glass	Glass
Gold	Gold
Tophet	Tophet
Cupron	Cupron
Solder	Stainless Steel





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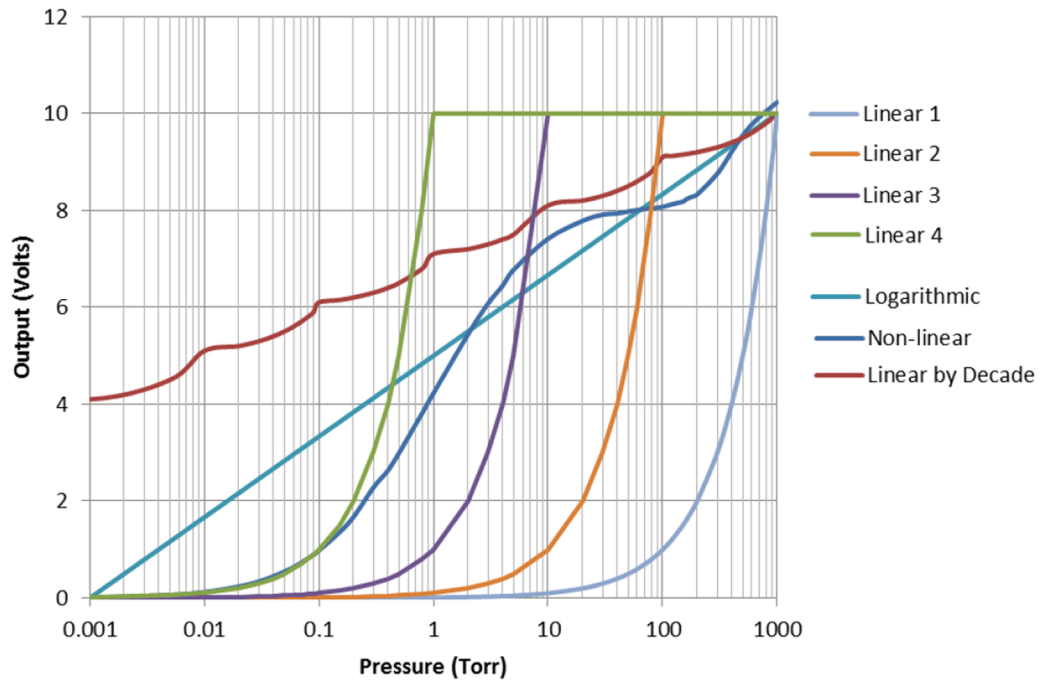
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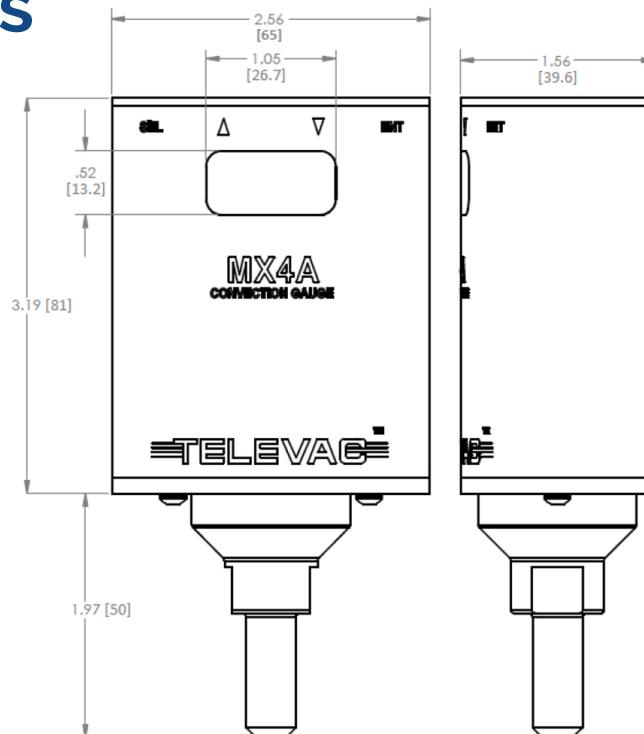
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Televac MX4A Active Gauge Analog Output Behavior



Dimensions



*Dimensions are drawn with 1/8" NPT fitting installed



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Televac MX4A Active Gauge Features & Benefits

- utilizes an easily replaceable convection vacuum sensor
- wide range of measurement
- RS-485 communications
- two programmable set points
- selectable analog output
- bright color OLED display
- simplicity of use
- ease of sensor replacement
- low cost
- compact design

Applications

- heat treatment • vacuum furnaces • thin film deposition • coating
- cryogenics • pharmaceutical product processes