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**Configurations**

<b>MIL-C-5015 (B = 1)</b>	<b>M12 glass seal (B = 2)</b>	<b>Integral Cable B = 5 (CC-DD)</b>	<b>Integral cable with overbraid B = 7 (CC-DD)</b>	<b>Integral cable with protection conduit B = 8 (CC-DD)</b>
Pin 1 : not connected Pin 2 : not connected or temperature output (T0 option) Pin 3 : (-) Pin 4 : (+)	Pin A : (+) Pin B : (-)  Note: No temperature option available	CC=01, 02 (PU, Teflon) : White (-); Red (+)  CC=03 (Radox) : White N°1 (-); White N°2 (+)  CC=12 (Teflon): White (-) ; Red (+) Temperature output between Black and White  CC=13 (Radox) : White N°1 (-); WhiteN° 2 (+) Temperature output between White N°3 and White N°1  CC=31 (PU) : Blue(-); Black(+); Brown (NC) Temperature output between White(+) and Blue (-)  NC: Not connected; (1) with T0 option	Same wiring color as B=5	Same wiring color as B=5

## Specifications (24°C)

### Dynamic

Sensitivity	A=6	100 mV/ips ± 6% (4mV/mm/s)
Frequency response (fig. 4a, 4b)	A=6	±10 % : 2.5 to 3500 Hz ±3 dB : 1.9 to 7000 Hz
Mounted Resonant frequency	A=6	16 kHz Nom.
Dynamic range	A=6	50 in/sec pk (1250 mm/sec)
Transverse response sensitivity (20Hz, 5g)		<5%
Temperature response		see fig. 3
Polarity		(fig. 1) Suffix dependant
Linearity		±1% Max
Warm up time (Typical) A=6		< 1Sec

### Electrical

Electrical Grounding	Isolated from machine ground Internal Faraday shielding (fig. 1)
Isolation (Case to shield)	100 MΩ Min
Capacitance to ground	70 pF Nom
Output impedance	200 Ω Nom
DC output bias, 4mA supply	10 VDC Nom (Fig; 2)
Residual noise (24°C) : A=6	
2.5 Hz to 25 Hz	100 µin/sec
10 Hz	10 µin/sec
1000 Hz	0.1 µin/sec
Power requirements	
Constant current	: +2 to +10mA DC
Voltage	: +22 to +28 VDC
Protection	
Overvoltage	Yes
Reverse polarity	Yes

### Environmental

Temperature, operating continuous : (max. current =4mA)	-55 to 120 °C (-65 to 250 °F)
Humidity / Enclosure	
B=1, 2	Not affected, hermetically sealed, 1E-8torr.l/s
B=3	IP67, epoxy sealed
Acceleration limit : Shock	2500 g peak
Continuous vibration	250 g peak
Base strain sensitivity	0.004 g in/sec/µstrain
Mean time between failure (MTBF)	10 Years Nom
ESD Protection	> 40V
Safety	EN 61010-1 and IEC 1010-1
EMC emission	EN 50081-1, EN 50081-2
EMC immunity (1)	EN 50082-1, EN 50082-2

**Physical**

Design	Ceramic, annular shear mode
Weight	
A=6 .....	95 gr Nom (3.4 Oz)
Connector	
B=1 .....	MIL-C-5015 glass seal, Type MS3143 10SL-4P
B=2 .....	M12 glass seal, IEC 60947-5-2
B=3 .....	M12 epoxy seal, IEC 60947-5-2
Material .....	AISI 316L, DIN 1.4401 (Stainless steel)
Sensor mounting thread .....	Fig 1h
Mounting torque (M6, M7, M8 suffix) .....	2.4 N.m (21 in-lbs)

**Accessories, supplied**

Calibration supplied .....	Sensitivity (5in/sec, 160 Hz)
.....	No frequency response

**Accessories, not supplied**

Cable assembly

MIL connector (B=1), Polyurethane cable .....	10.01-B01-A01-01-Length
MIL connector (B=1), FEP Teflon cable .....	10.01-B01-A01-02-Length
M12 connector (B=2, 3), Polyurethane cable .....	10.01-E01-A01-31-Length

PU or FEP armored cables are also available. See Model 10.01.

Mounting Stud

M6 .....	191.01-06-06-1
1/4" 28 UNF .....	191.01-06-16-1
M8 .....	191.01-06-08-1

**Repair**

Consult factory for replacement of connector in case of broken or bended pins. Repair of electronic is not possible.

**Standard Wiring color**

With Mil-C-5015 cable assembly: + = Red // - = White  
 With M12 cable harness: : + = Black // - = Blue // Temperature=White

(1) Guaranteed if using accessories listed in this product datasheet only.

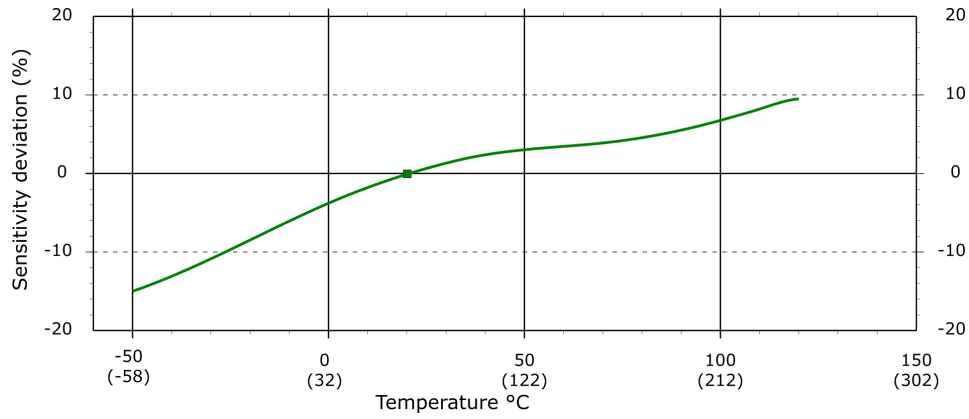


Fig. 2 : DC (Bias) deviation versus temperature

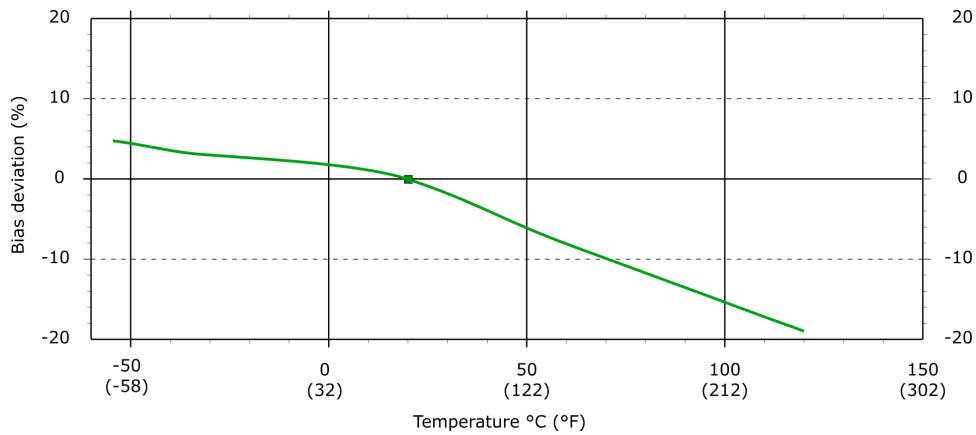


Fig 3 : Sensitivity deviation versus temperature

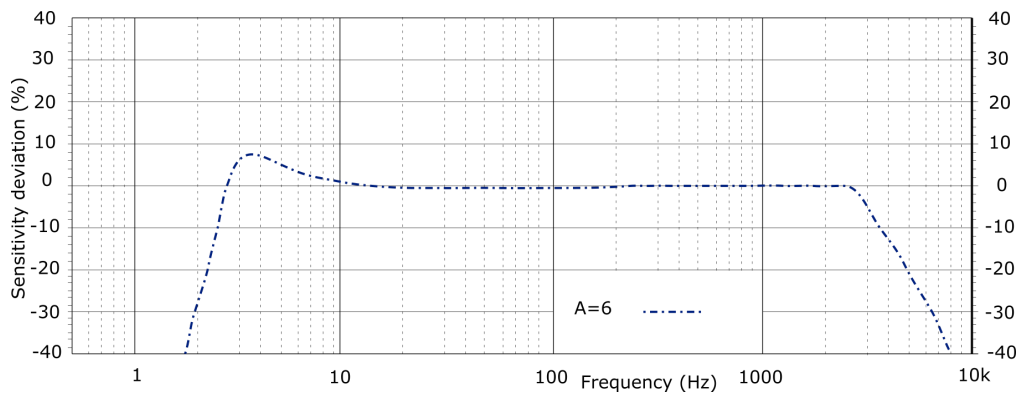


Fig 4a : Frequency response, amplitude

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