

CHARGE OUTPUT PRESSURE SENSOR

	ENGLISH	SI	[2][3]	[4]	[5]
Performance					
Sensitivity(± 20 %)(for straight oil)	0.110 pC/psi	0.016 pC/kPa			
Measurement Range	10 to 35 kpsi	68,950 to 241,300 kPa			
Maximum Pressure(static)	40 kpsi	275,800 kPa			
Resolution	2 psi	13.79 kPa			
Resonant Frequency	≥ 300 kHz	≥ 300 kHz			
Rise Time(Reflected)	≤ 2 μ sec	≤ 2 μ sec			
Non-Linearity	≤ 2 % FS	≤ 2 % FS			
Environmental					
Acceleration Sensitivity	≤ .02 psi/g	≤ .014 kPa/(m/s ²)			
Temperature Range(Operating)	-100 to +400 °F	-73 to +204 °C			
Temperature Coefficient of Sensitivity	≤ .03 %/°F	≤ .054 %/°C			
Maximum Flash Temperature	3000 °F	1650 °C			
Maximum Vibration	1000 g pk	9810 m/s ² pk			
Maximum Shock	5000 g pk	49,050 m/s ² pk			
Electrical					
Output Polarity(Positive Pressure)	Negative	Negative			
Capacitance	5 pF	5 pF			
Insulation Resistance(at room temp)	≥ 10 ¹² ohm	≥ 10 ¹² ohm			
Physical					
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel			
Diaphragm	17-4 Stainless Steel	17-4 Stainless Steel			
Sealing	Welded Hermetic	Welded Hermetic			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack			
Weight	.35 oz	10 gm			

*All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.*

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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount

NOTES:

- [1] Typical.
- [2] Actual slope is dependent upon material properties of cartridge case.
- [3] For conformal cal. sensitivity will be ±40%.
- [4] Calibrated range to 35,000 psi.
- [5] Resolution dependent on range setting and cable length used in charge system.

SUPPLIED ACCESSORIES:

Model 045A Alignment Guide
Model 065A27 Spacer set 0.196" ID

Entered: RLS	Engineer: RE	Sales: DPC	Approved: ADL	Spec Number:
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