

Model Number
117B01-
117B65,117B101 &
SUB

CHARGE OUTPUT PRESSURE SENSOR

Revision: M
 ECN #: 27292

Performance

Sensitivity(± 20 %)(for straight oil) [2][3]
 Measurement Range 0.14 pC/psi [4]
 Maximum Pressure 138,000 to 414,000 kPa [5]
 Resolution 14 kPa
 Resonant Frequency ≥ 200 kHz
 Rise Time(Reflected) ≤ 2 μ sec
 Non-Linearity ≤ 2 % FS

Environmental

Acceleration Sensitivity ≤ 0.02 psi/g
 Temperature Range(Operating) -100 to +400 °F
 Temperature Coefficient of Sensitivity ≤ 0.03 %/°F
 Maximum Flash Temperature 3000 °F
 Maximum Shock 20,000 g pk

Electrical

Output Polarity(Positive Pressure) Negative
 Capacitance 9 pF
 Insulation Resistance(at room temp) ≥ 10¹² ohm

Physical

Housing Material 17-4 Stainless Steel
 Diaphragm 17-4 Stainless Steel
 Sealing Epoxy
 Electrical Connector 10-32 Coaxial Jack
 Weight 0.45 oz

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.

ENGLISH

0.14 pC/psi [2][3]
 20 to 60 kpsi [4]
 80 kpsi [5]
 2 psi
 ≥ 200 kHz
 ≤ 2 μ sec
 ≤ 2 % FS
 ≤ 0.02 psi/g
 -100 to +400 °F
 ≤ 0.03 %/°F
 3000 °F
 20,000 g pk

SI

0.021 pC/kPa
 138,000 to 414,000 kPa
 552,000 kPa
 14 kPa
 ≥ 200 kHz
 ≤ 2 μ sec
 ≤ 2 % FS
 ≤ 0.14 kPa/(m/s²)
 -73 to +204 °C
 ≤ 0.054 %/°C
 1650 °C
 196 200 m/s² pk

[1]

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 60,000 psi.
- [5] Resolution dependent on range setting and cable length used in charge system.

SUPPLIED ACCESSORIES:

Model 045A Alignment Guide
 Model 065A19 Spacer set, 0.250" ID

Entered: BLAS	Engineer: RF	Sales: DPC	Approved: MLZ	Spec Number:
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