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|--|--------------------------------------|------------------------|----------------|---|-----------------------------|--------------------|---------------|------------|---------------|--------------|----------------|----------------|----------------|----------------|--------------------|
| Model Number 117B-80K | CHARGE OUTPUT PRESSURE SENSOR | | | | Revision: R ECN #: 46956 | | | | | | | | | | |
| Performance | ENGLISH | SI | | OPTIONAL VERSIONS | | | | | | | | | | | |
| Sensitivity(± 20 %)(for straight oil) | 0.14 pC/psi | 0.021 pC/kPa | [2][3] | 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 | | | | | | | | | | | |
| Measurement Range | 20 to 60 kpsi | 138,000 to 414,000 kPa | [4] | | | | | | | | | | | | |
| Maximum Pressure | 80 kpsi | 552,000 kPa | | | | | | | | | | | | | |
| Resolution | 2 psi | 14 kPa | [5] | | | | | | | | | | | | |
| Resonant Frequency | ≥ 200 kHz | ≥ 200 kHz | | | | | | | | | | | | | |
| Rise Time(Reflected) | ≤ 2 μ sec | ≤ 2 μ sec | | 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. [6] See PCB Declaration of Conformance PS158 for details. | | | | | | | | | | | |
| Non-Linearity | ≤ 2 % FS | ≤ 2 % FS | | | | | | | | | | | | | |
| Environmental | | | | | | | | | | | | | | | |
| Acceleration Sensitivity | ≤ 0.02 psi/g | ≤ 0.14 kPa/(m/s²) | | | | | | | | | | | | | |
| Temperature Range(Operating) | -100 to +400 °F | -73 to +204 °C | | | | | | | | | | | | | |
| Temperature Coefficient of Sensitivity | ≤ 0.03 %/°F | ≤ 0.054 %/°C | | SUPPLIED ACCESSORIES: Model 045B Alignment Guide Model 065A19 Spacer set, 0.250" ID | | | | | | | | | | | |
| Maximum Flash Temperature | 3000 °F | 1650 °C | | | | | | | | | | | | | |
| Maximum Shock | 20,000 g pk | 196 200 m/s² pk | | | | | | | | | | | | | |
| Electrical | | | | | | | | | | | | | | | |
| Output Polarity(Positive Pressure) | Negative | Negative | | | | | | | | | | | | | |
| Capacitance | 9 pF | 9 pF | [1] | <table><tr><td>Entered: LK</td><td>Engineer: BAM</td><td>Sales: WDC</td><td>Approved: BAM</td><td>Spec Number:</td></tr><tr><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>Date: 8/8/2017</td><td>117-2010-80</td></tr></table> | | Entered: LK | Engineer: BAM | Sales: WDC | Approved: BAM | Spec Number: | Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | 117-2010-80 |
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| Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | Date: 8/8/2017 | | | 117-2010-80 | | | | | | | | | |
| 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 | Epoxy | Epoxy | |  Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com | | | | | | | | | | | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | | | | | | | | | | | | | |
| Weight | 0.45 oz | 13 gm | | | | | | | | | | | | | |
|  [6] | | | | | | | | | | | | | | | |
| <i>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.</i> | | | | | | | | | | | | | | | |
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