

| | ENGLISH | SI | |
|---|-----------------------------|-----------------------------|--------|
| Performance | | | |
| Measurement Range(Full Scale Capacity) | 148 lbf-ft | 200 Nm | |
| Sensitivity(output at rated capacity) | 2.0 mV/V | 2.0 mV/V | [5] |
| Non-Linearity | ≤ 0.25 % FS | ≤ 0.25 % FS | [2] |
| Hysteresis | ≤ 0.25 % FS | ≤ 0.25 % FS | [2] |
| Non-Repeatability | ≤ 0.05 % FS | ≤ 0.05 % FS | [2] |
| Interchangeability | ≤ 0.30 % FS | ≤ 0.30 % FS | [6][2] |
| Environmental | | | |
| Overload Limit | 221 lbf-ft | 300 Nm | |
| Temperature Range(Operating) | 0 to +200 °F | -18 to +93 °C | |
| Temperature Range(Compensated) | +70 to +150 °F | +21 to +66 °C | |
| Temperature Effect on Output(Maximum) | ± 0.002 %Reading/°F | ± 0.0018 %Reading/°C | [4] |
| Temperature Effect on Zero Balance(Maximum) | ± 0.002 %FS/°F | ± 0.0018 %FS/°C | [4] |
| Electrical | | | |
| Bridge Resistance | 350 Ohm | 350 Ohm | |
| Excitation Voltage | 10 VDC | 10 VDC | [1] |
| Insulation Resistance | ≥ 5 GOhm | ≥ 5 GOhm | |
| Zero Balance | ≤ 2 % FS | ≤ 2 % FS | [2] |
| Shunt Calibration | ≤ 0.25 % FS | ≤ 0.25 % FS | [3][2] |
| Auto ID | TTL Proprietary | TTL Proprietary | |
| Physical | | | |
| Size (Shaft Length x Housing Length x Housing Height) | 3.23 in x 2.30 in x 2.00 in | 82.0 mm x 58.4 mm x 50.8 mm | [7] |
| Weight | .85 lb | 386 gm | |
| Mounting | 1/2 inch Sq Drive | 12.7 mm Sq Drive | [8] |
| Sensing Element | Strain Gage | Strain Gage | |
| Housing Material | Aluminum | Aluminum | |
| Shaft Material | Steel | Steel | |
| Electrical Connector | PT02H-12-10P | PT02H-12-10P | |
| Maximum Speed | 2500 RPM | 2500 RPM | |

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.

- NOTES:**
- [1] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
 - [2] FS - Full Scale.
 - [3] Matched with 43.575 kOhm Precision Resistor.
 - [4] Over compensated temperature range.
 - [5] Matched to ±0.25% F.S.
 - [6] Matched for mV/V and shunt calibration.
 - [7] See Outline Drawing 48350 for Complete Dimensions
 - [8] Per ANSI B107.4 Specifications
 - [9] See PCB Declaration of Conformance PS119 for details.

SUPPLIED ACCESSORIES:

Model 7122R-04352A PRECISION CAL RESISTOR 43.575 kOhm

OPTIONAL ACCESSORIES:

Model 080920-01000 MODEL 920 PORTABLE DIGITAL INSTRUMENT
 Model 080962-01000 MODEL 962 DATA RECORDER
 Model 097000-34445 INTERCONNECT CABLE
 Model 4242R-000630 MATING CONNECTOR PT06A-12-10S(SR)

| | | | | |
|-----------------|-----------------|-----------------|-----------------|--------------|
| Entered: DMW | Engineer: JM | Sales: DM | Approved: PE | Spec Number: |
| Date: 3/14/2012 | Date: 3/14/2012 | Date: 3/14/2012 | Date: 3/14/2012 | 51929 |



*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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