

|   | ENGLISH                     | SI                           |        |
|---|-----------------------------|------------------------------|--------|
| <b>Performance</b>                                    |                             |                              |        |
| Measurement Range(Full Scale Capacity)                | 1000 lbf-ft                 | 1356 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] |
| <b>Environmental</b>                                  |                             |                              |        |
| Overload Limit  | 1500 lbf-ft                 | 2034 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]    |
| <b>Electrical</b>                                     |                             |                              |        |
| 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              |        |
| <b>Physical</b>                                       |                             |                              |        |
| Size (Shaft Length x Housing Length x Housing Height) | 4.00 in x 2.00 in x 3.63 in | 101.6 mm x 50.8 mm x 92.2 mm | [7]    |
| Weight  | 3.2 lb                      | 1452 gm                      |        |
| Mounting  | 1 inch Sq Drive             | 25.4 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   | 1000 RPM                    | 1000 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 49635 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 | <b>51933</b> |



*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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