



# Embedded System Laboratories Pvt. Ltd.

(An ISO 9001:2015 certified company)

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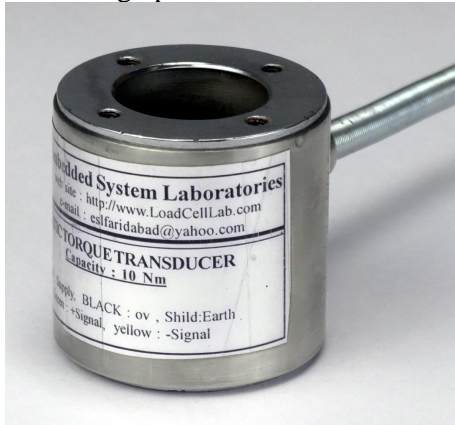
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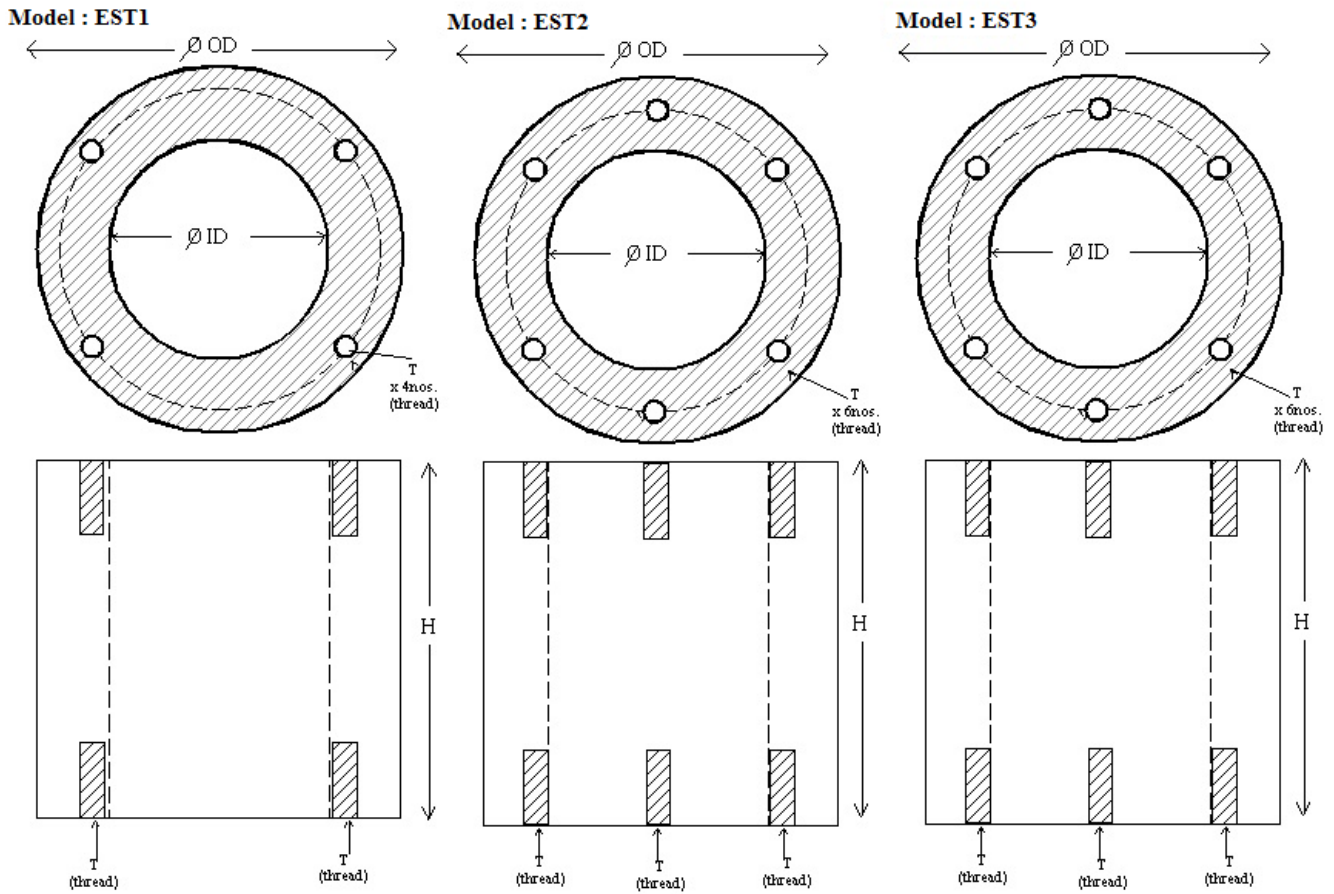
## STATIC TORQUE TRANSDUCER

### DESCRIPTION

EST is high performance, low cost torque transducer with excellent sensitivity and repeatability.



|   |  |
|---|--|
| Rated Capacities ( kg/cm <sup>2</sup> ) | 50 to 1500 Nm  |
| Rated Output                            | 1mV/V±10%  |
| Non-linearity                           | < 1% of Full Scale   |
| Creep (30 Mins)                         | < ± 0.5% of Full Scale   |
| Zero                                    | < ± 2% of Full Scale   |
| Hysteresis                              | < ± 0.2% of Full Scale   |
| Repeatability                           | < ± 0.1% of Full Scale   |
| Compensated Temp. Range                 | 10°C to 50°C   |
| Operating Temp. range                   | 0°C to 60°C  |
| Safe Overload                           | 125 % of Rated Capacity  |
| Input Impedance                         | 400 ± 30 Ohms  |
| Output Impedance                        | 350 ± 3 Ohms   |
| Insulation Resistance                   | > 2000 Mohms (50 VDC)  |
| Recommended Excitation                  | 5 - 12 VDC   |
| Maximum Excitation                      | 15 VDC   |
| Pin Configuration                       | Pin No. 1 : -ve (Blue / Black)<br>Pin No. 2 : +ve (Red)<br>Pin No. 3 : Shield<br>Pin No. 4 : +ve signal (Green)<br>Pin No. 5 : -ve signal (Yellow / White) |



**DIMENSIONS:-**

| Model No | Capacity (Nm)          | H             | OD           | ID           | T                 |
|----------|------------------------|---------------|--------------|--------------|-------------------|
| ET1      | 5,10, 25, 50, 100      | 50<br>(1.96)  | 50<br>(1.96) | 28<br>(1.10) | 4<br>Pitch : 0.75 |
| ET2      | 150,200, 350, 450, 500 | 70<br>(2.76)  | 70<br>(2.76) | 35<br>(1.38) | 8<br>Pitch : 1.25 |
| ET3      | 750, 1000              | 100<br>(3.94) | 70<br>(2.76) | 35<br>(1.38) | 8<br>Pitch : 1.25 |

All dimensions are in mm (inch)

Specification subject to change without notice.