

Model TS19 Short Flange Style Reaction Torque Transducer

Why the Interface model TS19 Short Flange Style Reaction Torque Transducer is the best in class:

- Capacities from 100 to 5K Nm (885 to 44.3K lbf-in)
- Short, rugged, compact design
- Both ends with flange



TS19 Short Flange Style Reaction Torque Transducer

OPTIONS

100 % Control Signal (RCAL)

SPECIFICATIONS

ACCURACY – (MAX ERROR)

Combined Error-% FS±0.1
 Nonrepeatability-%±0.02

TEMPERATURE

Effect on Zero-% RO/°C±0.02
 Effect on Output-%/°C±0.01
 Rated Range-°C-5 to +45
 Operating Range-°C-15 to +55

ELECTRICAL

Output-mV/V1.5
 Excitation Voltage-VDC MAX12
 Bridge Resistance-Ohm350
 Electrical Connection6 pin LEMO
 ERA 1S 306 CLL

MECHANICAL

Safe Overload-% RO150
 Safe Overhung Moment-% FS50
 Cyclic Load Rating-% RO±70 peak
 MaterialStainless steel

Model TS19 Short Flange Style Reaction Torque Transducer-
Capacities 100 to 5K Nm

DIMENSIONS

| Nominal Torque | | | | | | |
|--------------------|-------------------|-------|--------------------------|--------|-------------------|--------|
| Capacity (Nm) | 100 | | 200, 500, 1K, 2K | | 5K | |
| Equivalent (lb-in) | 885 | | 1.77K, 4.43K, 8.85K, 17K | | 44.3K | |
| | inch | mm | inch | mm | inch | mm |
| ① | 3.94 | 100 | 6.14 | 156 | 9.37 | 238 |
| ② | 1.10 | 28 | 1.71 | 43.5 | 2.64 | 67 |
| ③ | 0.61 | 15.5 | 0.81 | 20.5 | 1.12 | 28.5 |
| ④ | 0.41 | 10.5 | 0.83 | 21 | 1.44 | 36.5 |
| ⑤ | 0.12 | 3 | 0.12 | 3 | 0.12 | 3 |
| ⑥ | 2.9524/ 2.9516 | 75 g6 | 4.3302/ 4.3294 | 110 g6 | 6.8498/ 6.8489 | 174 g6 |
| ⑦ | 3.43 | 87 | 5.24 | 133 | 8.11 | 206 |
| ⑧ | 22.5° | | 22.5° | | 22.5° | |
| ⑨ | 8xM6 | | 8xM12 | | 8xM18 | |
| ⑩ | 0.43 | 11 | 0.89 | 20 | 1.18 | 30 |
| ⑪ | 0.25 | 6.4 | 0.51 | 13 | 0.75 | 19 |
| ⑫ | 1.58 | 40.2 | 1.61 | 41 | 3.11 | 79 |
| ⑬ | 2.9539/ 2.9528 | 75 H7 | 4.3321/ 4.3307 | 110 H7 | 6.8520/ 6.8504 | 174 H7 |
| ⑭ | 0.39 | 10 | 0.39 | 10 | 0.39 | 10 |

