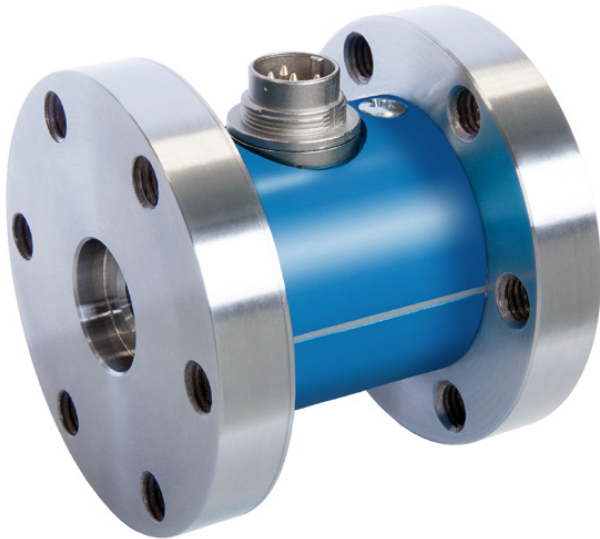


# Model AT101 Axial Torsion Force & Torque Transducer



## OPTIONS

- Internal Shunt Resistor — 100% output

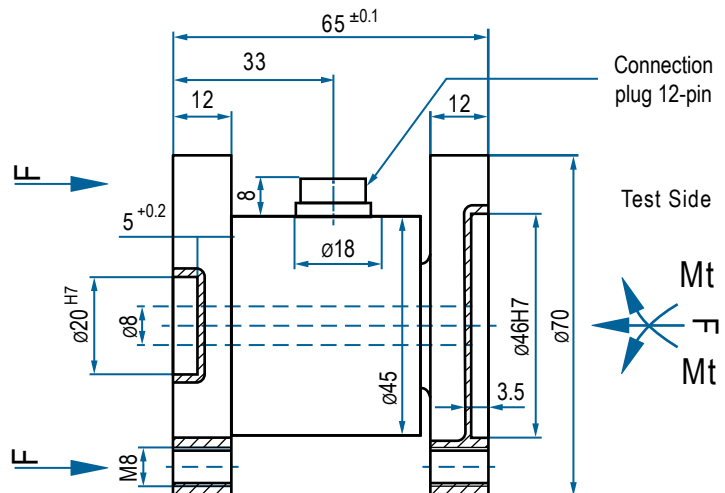
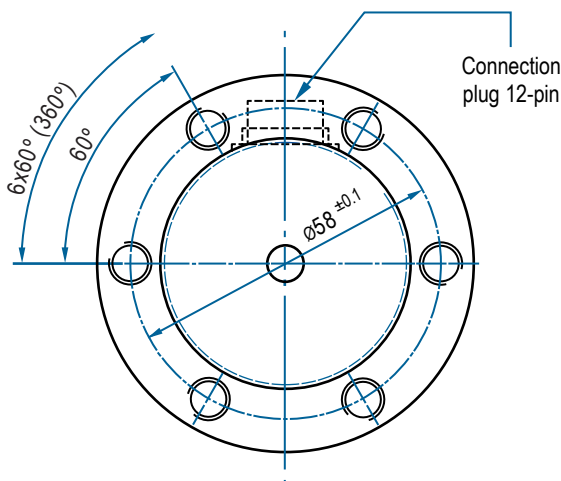
## CAPACITIES

| MODEL          | FORCE  | TORQUE | FLANGE TYPE |
|----------------|--------|--------|-------------|
| AT101 - 0.5/5  | 0.5 kN | 5 Nm   | 1           |
| AT101 - 1/10   | 1 kN   | 10 Nm  | 1           |
| AT101 - 1/30   | 1 kN   | 30 Nm  | 1           |
| AT101 - 20/20  | 20 kN  | 20 Nm  | 2           |
| AT101 - 0.5/50 | 0.5 kN | 50 Nm  | 1           |
| AT101 - 2/50   | 2 kN   | 50 Nm  | 1           |
| AT101 - 15/30  | 15 kN  | 30 Nm  | 2           |

## SPECIFICATIONS

| ACCURACY – (MAX ERROR)           |               |
|----------------------------------|---------------|
| Nonlinearity – Torque - %FS      | +/-0.2        |
| Hysteresis – Torque - %FS        | +/-0.2        |
| Nonlinearity – Force - %FS       | +/-0.3        |
| Hysteresis – Force - %FS         | +/-0.3        |
| Hysteresis - %FS                 | +/-0.2        |
| Nonrepeatability - % RO          | +/-0.1        |
| Cross talk - %FS                 | < 1%          |
| TEMPERATURE                      |               |
| Effect on Zero - % RO/°C         | +/-0.02       |
| Effect on Output - %/°C          | +/-0.02       |
| Compensated Range - °C           | -5 to +45     |
| Operating Range - °C             | -15 to +55    |
| ELECTRICAL                       |               |
| Output – mV/V                    | 1             |
| Excitation Voltage – VDC         | 2-12          |
| Bridge Resistance – Torque - Ohm | 350           |
| Bridge Resistance – Force - Ohm  | 700           |
| Electrical Connection            | 12-pin Binder |
| MECHANICAL                       |               |
| Safe Overload - % RO             | 150           |
| IP Rating                        | 50            |

## DIMENSIONS: FLANGE TYPE 1



# Model AT101 Axial Torsion Force & Torque Transducer

## DIMENSIONS: FLANGE TYPE 2

