

TQS-02 | STAINLESS STEEL / ALUMINUM



FEATURES

- ▶ The torque sensors offer high accuracy. They have non-linearity of 0.1%.
- ▶ The torque sensors are small and easy to be mounted.
- ▶ The torque sensors can be fixed by flange.
- ▶ The torque sensors utilize strain gauge technology.

Applications

▶ Torque sensors with high accuracy are mainly applied in torque measurement instruments, such as static torque tester, and torque wrench, etc.

Order Code

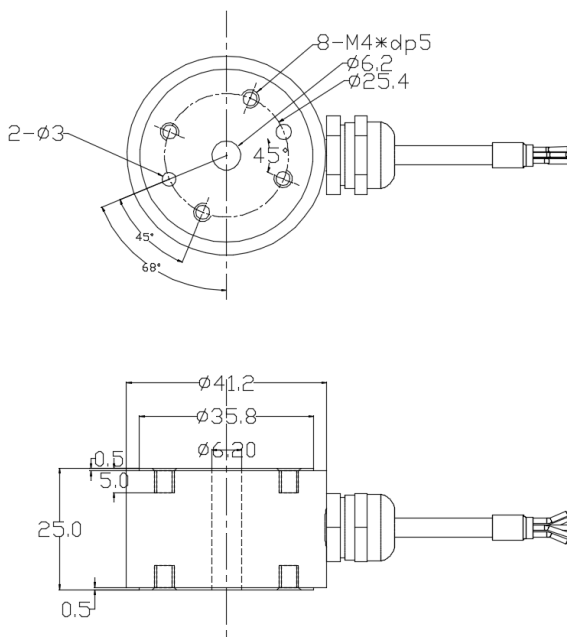
TQS-02-xxNm : xx=Torque

SPECIFICATION

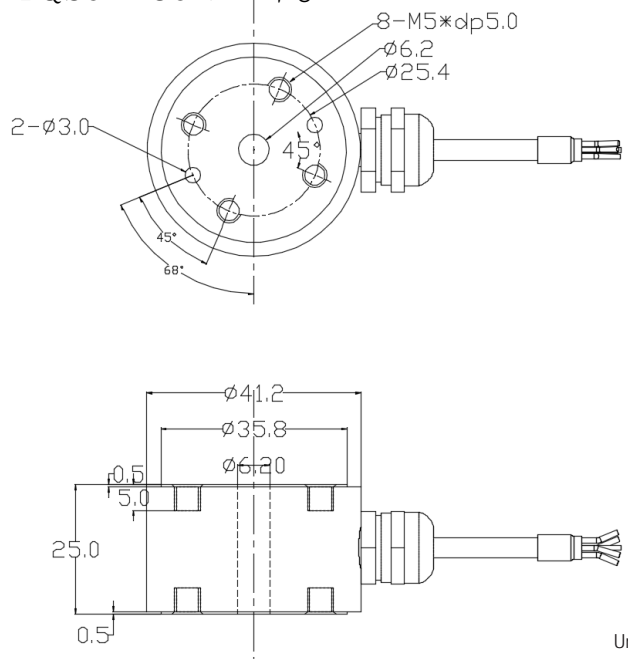
Capacity	1,2,3,5,10,20,30,50,100Nm	Output Impedance	750±3Ω
Rated Output	2.0 ±10% mV / V	Insulation (DC 50V)	≥5000MΩ
Zero Balance	±2% F.S.	Recommended Excitation	5 ~ 10V
Non-Linearity	0.1 % F.S.	Maximum Excitation	15 V
Hysteresis	0.1 % F.S.	Compensated Temp Range	-10 ~ 60 °C
Repeatability	0.1 % F.S.	Operating Temp Range	-20 ~ 80 °C
Creep (30min)	0.1 % F.S.	Safe load limit	150% F.S.
Temp Effect on Output	0.05 % F.S. / 10°C	Ultimate Load Limit	200% F.S.
Temp Effect on Zero	0.05 % F.S. / 10°C	Cable Size	Ø 3×3m
Input Impedance	750±5Ω	Wire Connection	Ex+: Red EX-: Black Sig+: Green Sig -: White

DIMENSION

TQS02-10Nm 이하



TQS02-30Nm 이상



Unit (mm)