

## "TQP" / Rotary Torque Transducer

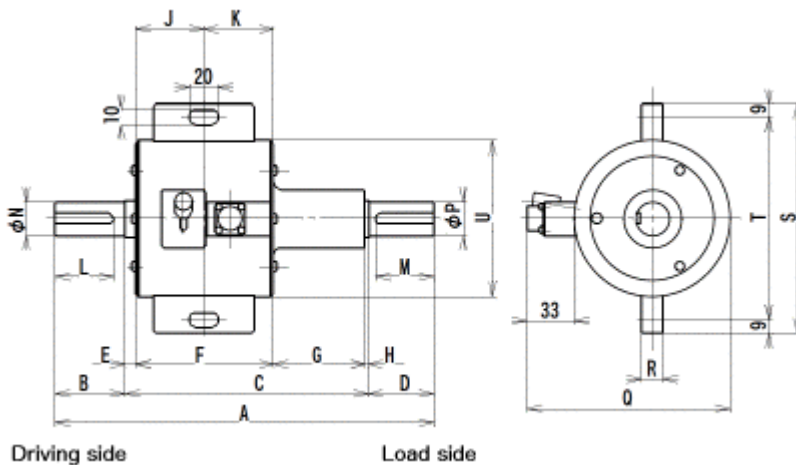


### Features

- Can make measurement from static torque to dynamic torque.
- Less effects from bending or thrusts thereby insuring a high accuracy measurement.
- Wide capacity ranges (5N•m to 20kN•m).
- Easy abrasion inspection of the slipping also simple cleaning of it.
- Easy driving and simple mounting at the loading side as ruled.

Related products : [Reaction / High-Capacity](#) / [Reaction / Ultralow-Capacity](#) / [Reaction / Low-Capacity...](#)

### Appearance Dimensions



Model and Capacity / Dimension / etc. (unit : mm)

Model	Capacity	A	C	F	L/M	N/P(h7)	U	S	Keyway(b×h)	Max Speed	Weight
TQP-5NB	5N•m	268	173	95	35	20	107	157	5×5	7500rpm	2.9kg
TQP-10NB	10N•m	268	173	95	35	20	107	157	5×5	7500rpm	2.9kg
TQP-20NB	20N•m	268	173	95	35	20	107	157	5×5	7500rpm	2.9kg
TQP-50NB	50N•m	260	167	95	40	23	107	157	7×7	7500rpm	3.0kg
TQP-100NB	100N•m	260	167	95	40	23	107	157	7×7	7500rpm	3.0kg
TQP-200NB	200N•m	300	175	105	50	38	107	157	10×8	5500rpm	5.0kg

TQP-500NB	500N•m	300	175	105	50	38	107	157	10×8	5500rpm	5.0kg
TQP-1KNB	1KN•m	385	191	114	80	63	135	179	18×12	3500rpm	14kg
TQP-2KNB	2KN•m	385	191	114	80	63	135	179	18×12	3500rpm	14kg
TQP-5KNB	5KN•m	500	219	129	115	90	172	216	24×16	2500rpm	36kg
TQP-10KNB	10KN•m	500	219	129	115	90	172	216	24×16	2500rpm	36kg
TQP-20KNB	20KN•m	680	254	139	160	115	210	251	32×20	2000rpm	65kg

- \* Items are produced only on order placed.
- \* Note that a part of sizes or marks is omitted in the tables of this data sheet.

## Specifications

Safe Overload	120% RC
Rated Output	0.5mV/V±1%(5N•m to 20N•m ) 1mV/V±1%(50N•m ) 1.5mV/V±1%(100N•m to 20kN•m )
Nonlinearity	0.3%RO
Hysteresis	0.3%RO
Repeatability	0.2%RO
Excitation Voltage	8V (or less)
Safe Excitation Voltage	10V
Input Rsistance	350Ω
Output Rsistance	350Ω
補償温度範囲	-10 to 60°C
Safe Temp.Range	-30 to 80°C
Temp.Effect on Zero	0.01%RO/°C
Temp.Effect on Output	0.01%RO/°C
Connector(on body)	Receptacle / PRC03-21A10-7F
Attached cable	L-A-5 (Refer to transducer connections)