Wheel Torque Transducer



Measurement of driving and braking torque during vehicle operation

- **Rated capacity: 1 to 5 kN·m**
- **Can output rotation angle with angle detector attachment (option)**

Transducers for measuring axial torque for vehicles in operation.
Include strain gage sensors, transmitters (slip ring), dedicated wheels, and hub adapters.
The wheels and hub adapters can be switched out for installation to various vehicle models.
Ideal for driving/braking and traction control operation tests.

Specifications

Performance	
Rated Capacity	1 to 5 kN·m
	(Rated capacities other than above are available, please contact us.)
Nonlinearity	Within ±0.5% RO
Hysteresis	Within ±0.5% RO
Environmental Characteristics	
Safe Temperature	−10 to 80℃
Compensated Temperature	0 to 70℃
Applicable PCD and Number of Holes	
	PCD100 to 120 as specified, 4 or 5 holes
	For other PCD and number of holes, please contact us.
Applicable Wheel Size	According to specifications (14 to 20 inches)
	For other wheel sizes, please contact us.
Electrical Characteristics	
Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Cable	Terminated with a connector plug PRC03-12A10-7M
Mechanical Properties	
Safe Overloads	150 %
Rotary Speed	2000 rpm/max
Installation	The transducer is mounted to the tire via the dedicated
	wheel and to the axle via the hub adapter.
Weight	Approx. 4 kg (For 2.5 kN·m)
Degree of Protection	IP44 (JIS C 0920/IEC 60529) (Drip-proofed by protective coating)

*Specifications and design are subject to change without notice.
*Please contact us for information on product warranties.

Connector plug (standard)
PRC03-12A10-7M

