

Non-rotating Torque Sensor

LTMS

- Capacities : 25N·m...200N·m
- Wide capacity range
- Custom made available



Model

LTMS-	Rated Capacity	
	25	25N·m (2.55kgf·m)
	50	50N·m (5.1kgf·m)
	100	100N·m (10.2kgf·m)
	200	200N·m (20.4kgf·m)

Specifications

Rated output (R.O.)	1.5mV/V
Rated output tolerance	±1%R.O.
Zero balance	±10%R.O.
Nonlinearity	±0.2%R.O.
Hysteresis	±0.2%R.O.
Repeatability	±0.1%R.O.
Temperature effect on zero	±0.01%R.O./°C
Temperature effect on output	±0.01%LOAD/°C
Temperature range, compensated	-10°C~+60°C
Temperature range, safe	-20°C~+70°C
Maximum safe overload	150%R.C.
Excitation, recommended	10V
Excitation, maximum	15V
Input impedance (approx.)	350Ω~420Ω
Output impedance (approx.)	350Ω±10Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	φ5, 4-wire, with plug PRC-03-12A10-7M
Cable length	3m
Construction	Aluminum : [25N·m, 50N·m] Alloy steel : [100N·m, 200N·m]
Weight (approx.)	380g : [25N·m, 50N·m] 920g : [100N·m, 200N·m]

Cable color code

Item	Color
Excitation +	A : Red
Excitation -	C : White
Signal output +	D : Green
Signal output -	B : Black
Shield	E : Yellow

Outline dimensions (mm)

