

Built in amplifiers 6-component Force Transducer

6D-300N-300N-1kN-TMI

- Capacities : Fx,Fy 300N Fz 1kN
Mx,My 100N·m Mz 80N·m

- Built in amplifiers
- Custom made available
- Aluminum construction
- **6-component Force Transducer**

Enables simultaneous measurement of 3 components of force (Fx, Fy, Fz) in 3 axial directions orthogonal to the transducer and 3 moments (Mx, My, Mz) around the axes.



Model

Fx- Rated Capacity Fy- Rated Capacity Fz- Rated Capacity

6D- 300N - 300N - 1kN - TMI

Note) Custom made available

Cable color code

Item	Color
Power +	Pink (Red wire)
GND	Pink (Black wire)
Fx	Yellow (Red wire)
Fy	Orange (Red wire)
Fz	White (Red wire)
Mx	Yellow (Black wire)
My	Orange (Black wire)
Mz	White (Black wire)
Shield	

Specifications

Rated capacity	Fx, Fy : 300N Fz : 1kN Mx, My : 100N·m Mz : 80N·m
Rated output (approx.)	0.5V~+4.5V (Center : +2.5V)
Nonlinearity	±0.3%R.O.
Hysteresis	±0.3%R.O.
Interference ※	±3%R.O.
Temperature effect on zero	±0.05%R.O./°C
Temperature effect on output	±0.05%LOAD/°C
Excitation	8~15V
Frequency response	1.6kHz
Maximum safe overload	100%R.C.
Ultimate overload	150%R.C.
Temperature range, compensated	0°C~+50°C
Temperature range, safe	-10°C~+60°C
Cable type	φ5, 8-wire
Cable length	2m
Construction	Aluminum
Weight (approx.)	200g

※.The interference is interference compensated value.

Outline dimensions (mm)

