

Built in amplifiers 6-component Force Transducer

6D-300N-300N-1kN-TMI2

- Capacities : Fx,Fy 300N Fz 1kN Mx,My,Mz 25N·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 - TMI2

(Note) Custom made available

Cable color code

Item	Color
Power +	1 : Pink (Red wire)
GND	2 : Pink (Black wire)
Fx	3 : Yellow (Red wire)
Fy	4 : Orange (Red wire)
Fz	5 : White (Red wire)
Mx	6 : Yellow (Black wire)
My	7 : Orange (Black wire)
Mz	8 : White (Black wire)
Shield	

Specifications

Rated capacity	Fx, Fy : 300N Fz : 1kN Mx, My, Mz : 25N·m
Rated output (approx.)	0.5V~+4.5V (Center : +2.5V)
Nonlinearity	±0.5%R.O.
Hysteresis	±0.5%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 2m With HR10A-10P-10P
Construction	Aluminum
Weight (approx.)	220g

※.The interference is interference compensated value.

Outline dimensions (mm)

