

Built in amplifiers 6-component Force Transducer

# 6D-800N-800N-1.5kN-TMI

- Capacities : Fx,Fy 800N Fz 1.5kN  
Mx,My 100N·m Mz 60N·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- 800N - 800N - 1.5kN - 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 : 800N Fz : 1.5kN Mx, My : 100N·m Mz : 60N·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.)	280g

※.The interference is interference compensated value.

## Outline dimensions (mm)

