

2-component Force Transducer

2D-100N-100N

- Capacities : 100N
- 2-component force transducer
- Stainless steel construction
- Custom made available



Model

Fx Fz
Rated capacity Rated capacity

2D- 100N - 100N

Note) Custom made available

Specifications

Rated capacity (R.C.)	100N
Rated output (R.O.)	Fx : approx. 0.75mV/V Fz : approx. 0.4mV/V
Zero balance	±10%R.O.
Nonlinearity	±0.2%R.O.
Hysteresis	±0.2%R.O.
Interference	±3%R.O.
Excitation, recommended	5V
Excitation, maximum	10V
Input impedance (approx.)	700Ω
Output impedance (approx.)	700Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Temperature range, compensated	-10°C~+60°C
Temperature range, safe	-20°C~+70°C
Temperature effect on zero	±0.05%R.O./°C
Temperature effect on output	±0.05%LOAD/°C
Maximum safe overload	150%R.C. : [Fx, Fz] 100N : [Fy]
Allowable moment	2.5N·m : My 1N·m : Mx, Mz
Construction	Stainless steel
Weight (approx.)	60g
Natural frequency	6.4kHz (mode3)
Cable type	φ3, 4-wire
Cable length	3m

Cable color code

Item	Color
Excitation +	Red
Excitation -	White
Signal output +	Green
Signal output -	Black
Shield	Shield

Outline dimensions (mm)

