

Small pressure sensor

TDC-DSS

- Capacities : 10MPa, 20MPa
- Small size
- Flush Diaphragm



Model

Rated Capacity	
TDC -	- DSS - G1/8
100	10MPa
200	20MPa

Specifications

Rated output (R.O.)	>0.6mV/V
Zero balance	±10%R.O.
Nonlinearity	±0.5%R.O.
Hysteresis	±0.3%R.O.
Repeatability	±0.2%R.O.
Temperature effect on zero	±0.03%R.O./°C
Temperature effect on output	±0.03%LOAD/°C
Temperature range, compensated	-10°C~+50°C
Temperature range, safe	-10°C~+60°C
Maximum safe overload	150%R.C.
Excitation, recommended	5V
Excitation, maximum	10V
Input impedance (approx.)	300Ω~400Ω
Output impedance (approx.)	300Ω~400Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	φ5, 4-wire, PVC, braid shield
Cable length	0.5m
Construction	Stainless steel

Cable color code

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

Mechanical characteristics

Model	Natural frequencies (Approx.)	Weight (Approx.)
TDC-100-DSS	118kHz	20g
TDC-200-DSS	154kHz	

Outline dimensions (mm)

