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./℃ |
| Temperature effect on output | ±0.03%LOAD/℃ |
| Temperature range, compensated | −10℃～+50℃ |
| Temperature range, safe | −10℃～+60℃ |
| 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 |

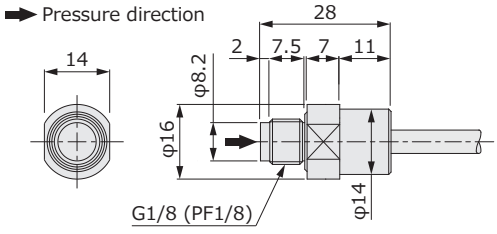
## Cable color code

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

## Mechanical characteristics

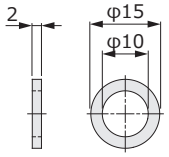
| Model | Natural frequencies (Approx.) | Weight (Approx.) |
|---|---|---|
| TDC-100-DSS | 118kHz | 20g |
| TDC-200-DSS | 154kHz | |

## Outline dimensions (mm)




**Accessory**

・Gasket (copper)




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