

- Digital Output
- High noise immunity
- Pressure range 0 to 4.9kPa
- Current consumption 100mA ± 5% at output 3VDC
- Operating temperature range -10°C to 60°C
- Protection Structure IP40



Characteristics

Model	D8M-D82
Pressure Type	Gauge
Pressure range	0 to 4.9kPa (0 to 0.71 psi)
Withstand pressure	19.6 kPa for 5 minutes
Repeatability/hysteresis	± 5% FS
Non-linearity characteristics	±2% FS max
Response time	1.5 ms (pressure) 30 ms max. (switch) 45 ms (discharge)
Operating temperature	-10°C to 60°C (with no icing or condensation)
Storage temperature	-20°C to 70°C (with no icing or condensation)
Operating humidity	25 to 95%
Degree of protection	IP40
Pressure port	6mm OD
Connection method	Three AWG26 wires, 115mm long
Material	PBT (polybutylene terephthalate)

Ratings

Power supply voltage	2.2 to 3.4 VDC with regulator
Current consumption	100mA ±5% at 3VDC
Leakage current	1 mA or less
Output resolution	1 pulse/9.81 Pa
Operating characteristics	0 kPa = 30 pulses 0.15 kPa = 45 ±30 pulses 2 kPa = 204 ±15 pulses 4 kPa = 436 ±46 pulses

Heading?

T1: Pressure measurement time	1.5ms min.
T2: Response time	30ms max.
T3: Electrical discharge time	45ms min.

Dimensions

