QUARTZ PRESSURE TRANSDUCER PDK-P-M

APPLICATIONS

The quartz pressure transducer PDK-P-M provides precision pressure measurement. The remarkable performance of these transducers is achieved through the use of a precision quartz crystal resonator, whose resonance frequency varies with pressure induced stress.

FEATURES

- Meteorological and barometric reference
- Pressure calibration equipment
- High accuracy pressure standard (0.06%FS)
- Stainless steel case (probably manufacturing of the case from the titan)



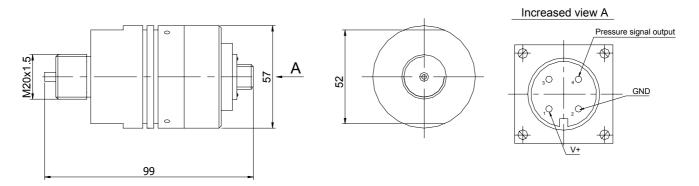
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS of the base model

| PARAMETERS | SPECIFICATIONS AND REMARKS | UNITS |
|--|-------------------------------|----------|
| Pressure ranges P | from 0 to 0.06(8.7); | MPa |
| | 0.1(14.5); 40(5800) | (PSI) |
| Operating temperature range | - 40 to + 80 | °C |
| Accuracy | 0.06; 0.1; 0.15 | %FS |
| Temperature induced error in the operating temperature range | < ± 1 | % |
| Resolution | 0,02 | %FS |
| Frequency output (pressure signal) | 300 to 3000 | Hz |
| Output amplitude (min.) to a load of 600 Ω | 5 | V |
| Current consumption | 30 | mA |
| Supply voltage | 9 ~ 12 | V |
| Size | Ø 57 x 99 | mm |
| Weight | < 350 | gm |
| Warranty period of maintenance | 1 | year |
| Warranty period of storage from the date of manufacture | 10 | year |

During the warranty period of maintenance the repair of transducer is carried out by the manufacturer.

PACKAGE DIMENSIONS

UNITS: millimeters



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