

## 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);<br>0.1(14.5); ... 40(5800) | MPa<br>(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

