

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

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

### PACKAGE DIMENSIONS

UNITS: millimeters

