

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); 0.1(14.5); ... 40(5800)	MPa (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

