

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

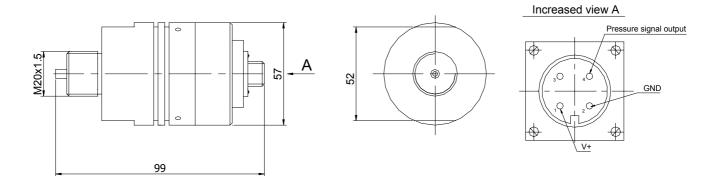
PARAMETERS	SPECIFICATIONS AND REMARKS	UNITS
Pressure ranges P	from 0 to 0.06(8.7);	MPa
	0.1(14.5); 40(5800)	(PSI)
Operating temperature range	– 40 to + 80	°C
Accuracy	0.06; 0.1; 0.15	%FS
Temperature induced error in the operating temperature range	< ± 1	%
Resolution	0,02	%FS
Frequency output (pressure 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

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UNITS: millimeters

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

PACKAGE DIMENSIONS



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