

QUARTZ TEMPERATURE TRANSDUCER PTK-01

APPLICATIONS

The quartz temperature transducer PTK-01 converts temperature to an output frequency and provides a precision temperature measurement. The remarkable performance of these transducers is achieved through the use of a precision quartz crystal resonator whose resonance frequency varies with temperature.

FEATURES

- Meteorological and thermometrical reference
- Temperature calibration equipment
- High accuracy temperature standard (0.05%FS)
- Plastic case
- Stainless steel temperature probe



Long and short temperature probe

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS		SPECIFICATIONS	UNITS
Temperature range		- 60 to + 60	°C
Accuracy		0.05; 0.1; 0.3	%FS
Resolution		0.01	%FS
Frequency output range		250...600	Hz
Output amplitude (min) on load of 600 Ohm		8	V
Current consumption		30	mA
Supply voltage		11 to 15	V
Size	Case	66 x 68 x 25	mm
	Temperature probe (diameter x length)	∅ 6 x 133(29)	
Weight		< 60	gm
Warranty period of maintenance		1	year
Warranty period of storage from the date of manufacture		10	year

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

PACKAGE DIMENSIONS

UNITS: millimeters

