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| PI-6-TCK | |
| PITOT AND TEMPERATURE SENSOR | |
| Ref: PI-6-TCK-##-### | |
| SN: P##### | Software version: v#.## |

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

| Temperature | | |
|-------------------------------|--------------------------|-------------|
| Range | -40 to +150 | °C |
| Accuracy | ± 0.25 | % FS |
| Cold junction error | ± 0.7 | °C |
| Sensitivity | 25mV | mV/°C |
| Sampling frequency | 5 | Hz |
| Calibrator | Fluke 714B or 753 | |
| Pressure | | |
| Range | 50 to 76 0.72 to 1.10 | mbar PSI |
| Accuracy | ±1 | % FS |
| Gravity sensitivity | 0.20 | mbar/G |
| Sampling frequency | 100 | Hz |
| Offset | 0.5 +/- 0.1 | V |
| Sensitivity | See calibration table | V/FS |
| Offset drift (0 to 85°C) | 20 | mV |
| Sensitivity drift (0 to 85°C) | ±1 | %FS |
| Calibrator | Mensor CPC4000 | |
| Common: | | |
| Supply Voltage | 6 to 16V | V |
| Supply Current | 10 | mA |
| Output Voltage | 0 to 5 | V |
| Output Impedance | 100 | Ω |
| Dimension | 45.5 x 25 x 16.5 | mm |
| Material | Aluminum | |
| Weight (without cable) | 65 | g |
| Box protection | IP64 | |
| Vibration test | 20Gpp5' | |
| Shock | 500 | G |
| Operating Temp | -20 to +85 | °C |
| Storage Temp | -20 to +125 | °C |

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|---|--|
| Ordering ref: PI-6-TCK - <u>Range</u> - <u>Height</u> - <u>Option</u> | |
| 50: 50 mbar 70: 70 mbar 76: 76 mbar | SPP: Optional static pressure port SPP2: Optional static and front pressure ports |
| 130: 130mm (standard) 160: 160mm 300: 300mm | |
| Ex: PI-6-TCK-76-130-SPP | |

| Sensor Readings | | |
|-----------------|---------------------------|---------|
| V at | °C temperature prob | |
| V at | °C temperature prob | |
| V at | mbar | |
| V at | mbar | mV/mbar |

Cable: 5x26AWG FEP tinned copper braided (250V 200°C)

Length: mm Tubing:

Connector:

| Colour | Function | Pin |
|--------|---------------------------------------|-----|
| Red | Supply | |
| Black | 0V | |
| White | Analog Pressure Signal | |
| Green | Analog Temperature Signal | |
| Yellow | Reserved (do not connect and isolate) | |
| Braid | Not connected | |

| Calibration table temperature | | |
|-------------------------------|----------------------|---|
| Target °C | Analogue temp output | |
| -40 | 0.00 | V |
| 0 | 1.00 | |
| 50 | 2.25 | |
| 100 | 3.50 | |
| 150 | 4.75 | |

| Calibration table pressure | | | |
|----------------------------|-----------------|------------------|------------------|
| 50 mbar 0.725 Psi | 0.5V @ 0mbar | 4.5V @ 50mbar | 80.00 mV/mbar |
| 70 mbar 1.01 Psi | 0.5V @ 0mbar | 4.5V @ 70mbar | 57.14 mV/mbar |
| 76 mbar 1.10 Psi | 0.5V @ 0mbar | 4.5V @ 76mbar | 52.63 mV/mbar |

