

TPD2000 DUAL PRESSURE TRANSDUCER

MEMSCAP
THE POWER OF A SMALL WORLD

TPD2000 is a MEMSCAP® standard two-channel “Dual” pressure transducer designed for integration into an avionics standby ADC instrument. TPD2000 measures both total pressure and static pressure and provide digital outputs for Dynamic Impact pressure, static pressure and both sensor temperatures. TPD2000 is a fully compensated dual port pressure transducer using Look up Table (LUT). Temperature and non-linearity effects need to be externally compensated for by using data stored in the EEPROM. More than 400 sets of measurements, covering a wide range of temperature and pressure combinations are used as the input to the compensation data. This ‘Module’ solution creates an opportunity to use pre-calibrated sensors that easily can be integrated into a final product. The capability of changing transducers without the need for recalibration, makes the TPD2000 an ideal choice in maintenance, repair and overhaul (MRO) situations.



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