

TP1200 DIGITAL-OUTPUT PRESSURE TRANSDUCER

MEMSCAP
THE POWER OF A SMALL WORLD

The MEMSCAP® TP1200 series digital-output pressure transducer is a fully calibrated, high precision device. The TP1200 contains a MEMSCAP® SP82 sensor, Analog to Digital Converter (ADC) and Electrically Erasable Programmable Read-Only Memory (EEPROM) with compensation data. 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 'board to board' solution creates an opportunity to use a pre-calibrated sensor that easily can be integrated into a final product. The capability of changing transducers without the need for recalibration, makes the TP1200 an ideal choice in maintenance, repair and overhaul (MRO) situations.



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