

Press release: World's most accurate barometric pressure sensor MSB780X

MicroStep-MIS is introducing the most accurate barometric pressure sensor on the market, with long-term stability levels better than ± 0.1 hPa/year. Total accuracy is better than 0.15 hPa in temperature range from -50 °C up to $+80$ °C. Digital Barometer MSB780X is meeting the stringent criteria used in aviation and meteorological stations. Stability, temperature dependence and accuracy are of the highest level and maintained for long-term periods.

With transducer manufactured out of metal, the sensor is more stable and reliable than its glass or silicone counterparts. MicroStep-MIS is certain of long-term stability of MSB780X and provides three years warranty. *"We are excited to add the MSB780X into our portfolio. This model meets all needs and requirements of the most demanding users."* says Adam Krovina, Head of Sensor Development Department.

A further advantage of the new sensor is great overpressure resistance, also it is vibration and shock proof. It is able to withstand pressures from vacuum up to 4000 hPa without changing its parameters. MSB780X has a low power consumption and is suitable for solar and battery powered applications. The barometer is operable in temperature range from -50 °C to $+80$ °C. The excitation range is from 5 to 32 V DC. The barometer can be connected using RS-232, RS-485 or SDI-12 and contain one, two or three very reliable transducers. The latest version has a touch-screen display, for more convenient use.

In conclusion, Digital Barometer MSB780X is cutting-edge sensor designed for use in professional meteorological and aviation applications, and even as a pressure standard for calibration laboratory.

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About MicroStep-MIS

MicroStep-MIS operates worldwide and is specialised in development and manufacturing of monitoring and information systems, processing of acquired data, research and numerical modeling.

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