

INTRODUCING M5600 AND U5600 WIRELESS PRESSURE TRANSDUCERS

- Allow wireless transmission and ability to meet Bluetooth® communication protocols
- Enable remote process control and monitoring



TE Connectivity (TE) introduces the M5600 and U5600 digital output wireless pressure and temperature transducers with iOS, Android™ and Windows® XP/7+ compatibility. These high accuracy, 24-bit ADC pressure sensors help eliminate hard wiring and provide remote process control and monitoring via Bluetooth® connection. This CE and FCC certified series is suitable for the measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids. The stainless steel and polycarbonate enclosure make the transducer durability excellent with no o-rings or organics exposed to the pressure media. These weatherproof pressure transducers are available in a variety of port configurations, and will empower users to develop custom software protocol to suit their own individual application requirements.

KEY BENEFITS

- Allow wireless transmission of instrumentation signals and the ability to build software protocol to meet application requirements via Bluetooth® communication
- Help eliminate the need for hard wiring and the need to be physically present at the application location with remote process control and monitoring
- Design for weatherproof and CE/FCC certified applications with a variety of pressure port options

APPLICATIONS

- Industrial process control and monitoring
- Advanced HVAC systems
- Refrigeration systems
- Automotive test stands
- Off-road vehicles
- Pumps and compressors
- Hydraulic/pneumatic systems
- Agriculture equipment
- Energy generation and management
- Pool/spa pump monitoring

LEARN MORE

[M5600 Landing Page](#)

[M5600 Data Sheet](#)

[U5600 Landing Page](#)

[U5600 Data Sheet](#)

[M5600/U5600 Installation Manual](#)

[M5600/U5600 Software Manual](#)

[M5600/U5600 Parts List](#)

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DISTINGUISHING CHARACTERISTICS

Pressure Type	Gage, Sealed, Absolute, Compound
Pressure Range	0-5psi to 15,000psi
Dual Output	Pressure and Temperature
Output Protocol	I ² C
Resolution	Digital 24-bit ADC
Supply Voltage	2.3 - 3.6V, with 2.5V Low Battery Warning in App
Accuracy (RSS of BFSL)	Down to ±0.1 %F.S.
Stability	Down to ±0.1 %F.S./year
Total Error Band (@25°C)	Down to ±0.75 %F.S.
Proof Pressure	2X or 3X to 20,000psi
Burst Pressure	3X or 4X to 20,000psi
Temperature Output Accuracy	±3°C
Operating Temperature	-20°C to +85°C, with battery
Compensated Temperature	-10°C to +60°C
Storage Temperature	-40°C to +120°C, without battery
Pressure Port Material	17-4PH or 316L Stainless Steel
Enclosure	Stainless Steel and Polycarbonate
Wireless Protocol	Bluetooth® 4.0 or above
Receiver Operating System	iOS 7.0 or above, Android™ 4.3 or above, Windows® XP/7 or above
Signal Pairing Distance	65 Feet
Signal Transmission Distance	65 Feet (affected by receiver antenna and blocking objects)
Battery Life	2 Years Typical CR2050 350mAH battery, 5 second transmission interval, room temperature
Weatherproof	IP66 & IP67
Shock	50g, 11 msec Half Sine Shock per MIL-STD-202G, Method 213B, Condition A
Vibration	±20g, MIL-STD-810C, Procedure 514.2, FIG 514.2-2, Curve L
Compliance	<ul style="list-style-type: none"> • EN 55022 Emissions Class A & B • IEC 61000-4-2 Electrostatic Discharge Immunity (4kV contact/8kV air) • IEC 61000-4-3 Radiated Radio-frequency Electromagnetic Field Immunity (10V/m, 80M-1GHz); deviation <1.5%FS • RoHS • FCC • Bluetooth®