Honeywell Pressure Sensors and Transducers honeywell.com/aero

Precision Pressure Transducer Comparison

FEATURES	PPT	PPT2
Total Digital Error Band Over Temperature	±0.10% FS MAX, ±0.05%FS TYP	±0.075% FS MAX, ±0.0375 FS TYP
Total Analog Error Band Over Temperature	±0.12% FS MAX, ±0.06%FS TYP (12-bit DAC)	±0.09% FS MAX, ±0.045 FS TYP (16 -bit DAC)
Operating Temp Range	-40 to 85°C	Standard: -40 to 85°C, Extended: -55 to 110°C
Storage Temp Range	-55 to 90°C	Standard: -50 to 100°C, Extended: -60 to 125°C
Display Resolution	e.g. 20 psia: XX.XXX	e.g. 20 psia: XX.XXXX **
Digital Noise Resolution	0.005%FS at 120 readings/sec	0.005%FS at 250 readings/sec
Analog Resolution	1.22 mV steps (12 bits)	0.15 mV steps, typical (15+ bits)
Maximum Sample Rate	Up to 120 Readings/Sec	Up to 1000 Readings/Sec
Minimum Response Delay	17 ms	2 ms
Baud Rate	Up to 28,800	Up to 115,200
RF Susceptibility	EN 61326-1:2006, Basic Level *3 V/m (80 MHz to 1 GHz)* *3 V/m (1.4 GHz to 2 GHz)* *1 V/m (2.0 GHz to 2.7 GHz)*	EN 61326-1: 2006, Industrial Level *10 V/m (80 MHz to 1 GHz)* *3 V/m (1.4 GHz to 2 GHz)* *1 V/m (2.0 GHz to 2.7 GHz)* RTCA/DO-160F, Section 20.4, Category R *10 V/m (100 MHz to 400 MHz)* *150 V/m (400 MHz to 8 GHz)*
RoHS Compliant	No	Yes
Electrical Connector	Plastic and Metal	Metal only
Power Supply	5.5 to 30 VDC	6 to 34 VDC (with reverse polarity protection)
Pressure Connections	Brass	Brass and SST
Size (excluding connector and fittings)	2.45 x .975 x 1.80 in	2.47 x .97 x 1.56 in
Weight (excluding fittings)	5.0 oz. (142gm)	4.4 oz. (125 gm)

** 1 extra digit to right of decimal place for all pressure ranges and display units. Extra digit may be turned off by user for PPT compatibility

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