



VROHS 👌 FC (E

FEATURES

- Heavy Industrial CE Approval
- 10 V/m EMI Protection
- ±0.25% Pressure Accuracy
- ±1.0% Total Error Band
- ±3°C Temperature Output Accuracy
- -10°C to +60°C Compensating Temperature
- -20°C to +85°C Operating Temperature

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

MEAS M5600 Wireless Pressure Transducer

- Digital 24-bit ADC output, I²C protocol
- Bluetooth[®] 4.0 wireless connection
- Ce compliant with a variety of pressure ports
- Compact and battery powered [CR2050 OR CR2032]
- Optional stainless-steel snubber
- Weatherproof (IP66/IP67)
- FCC certified
- Stainless steel and polycarbonate enclosure
- Gage, sealed, compound
- IOS, Android[™] and Windows[®] XP/7+ compatible

The modular M5600 wireless pressure transducer from our Microfused line is enclosed in a stainless steel and polycarbonate housing. This high accuracy, 24-bit ADC digital output wireless transducer eliminates hard wiring and provides remote process control and monitoring via Bluetooth[®] 4.0 Wireless Communication. This series is suitable for measurement of liquid or gas pressure, even for difficult media such as contaminated water, steam, and mildly corrosive fluids.

The wetted material of the pressure port is made of 316L stainless steel and the transducer's durability is excellent with no organics exposed to the pressure media. The M5600 is weatherproof and exceeds the latest heavy industrial CE requirements.

This product is geared to the OEM customer for mid to high volumes. TE stands ready to provide a custom design of the M5600 where the volume and application warrants. Additional configurations not listed are available. Please inquire for further information.



STANDARD RANGES

Range (psi)	Range (Bar)	Gage	Sealed	Compound
0 to 050	0 to 3.5	•		•
0 to 100	0 to 007	•		•
0 to 200	0 to 010	•		•
0 to 300	0 to 020	•		•
0 to 500	0 to 035	•		•
0 to 01k	0 to 070	•	•	•
0 to 03k	0 to 200	•	•	•
0 to 05k	0 to 350	•	•	•
0 to 10k	0 to 700	•	•	•
0 to 15k	0 to 01k	•	•	•

Intermediate ranges available upon request.

PERFORMANCE SPECIFICATIONS

Ambient Temperature: 25°C (unless otherwise specified) For custom configurations, consult factory.

	Parameters	Min	Тур	Max	Units	Notes				
	Supply Voltage	2.3	3	3.6	V _{DC}	Replaceable CR2032/CR2050 battery				
	Accuracy	-0.25		0.25	%F.S.	RSS of linearity, hysteresis, and repeatability				
	Temperature Output Accuracy			3	°C					
	Output Protocol		Digital I ² C							
	Resolution		24		Bit					
	Endurance	1.00E+6			0~FS Cycles					
	Stability	-0.25		0.25	%F.S./year					
	Total Error Band Proof Pressure			1	%F.S.	@25°C over compensated range				
				20k psi	Rated					
	Burst Pressure	5X		20k psi	Rated					
	Compensated Temperature	-10		+60	°C					
	Operating Temperature	-20		+85	°C	with CR2050 battery				
	operating remperature	-20		60	°C	With CR2032 battery				
	Storage Temperature			+120	°C	without battery				
	Wireless Protocol	Bluetooth®	Bluetooth® 4.0 Wireless Connection or above							
	Receiver Operating System	Android™ 4.3 or above, iOS 7 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, 1-year typical CR2032 210mAH battery; 5 second transmission interval								
	Low Battery Warning	Narning2.5V _{DC} , red battery symbol in app								
	Weatherproof									
	Pressure Port Material									
	Enclosure Stainless Steel and Polycarbonate									
	Shock	50g, 11mse	ec Half Sine	Shock per MI	L-STD-202G, Meth	od 213B, Condition A				
	Vibration	±20g, MIL-	STD-810C, F	Procedure 514	4.2, Fig 514.2-2, Cι	urve L				

Note:

Battery life depends on its capacity, operating temperature and signal transmission interval.

Sony Battery CR2050W or CR2032W offers high operating temperature up to 125°C.

Temperature can impact battery capacity retention even in idle. Check battery specifications for more details.

Factory default data transmission rate is 5sec, which can be adjusted from 100msec to 5sec in smartphone app or PC software.

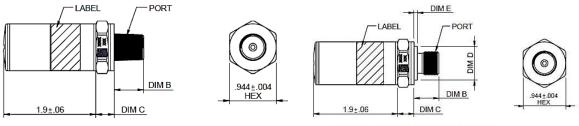


Compliances

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% RoHS FCC

Bluetooth®

DIMENSIONS



* FOR PRESSURE PORT CODE:5,6,E,F,P,N,W

* FOR PRESSURE PORT CODE:2,3,4,B,Q,S,U,G

Code	Port	Dim B	Dim C Typ.	Dim D Typ.	Dim E Typ.
2	1/4-19 BSPP	0.547 [13.9]	0.366 [9.3]	0.708 [17.98]	0.075 [1.91]
3	G3/8 JIS B2351	0.615 [15.6]	0.366 [9.3]	0.858 [21.78]	0.075 [1.91]
4	7/16-20UNF MALE SAE J1926-2 STRAIGHT THREAD O-RING BUNA-N 90SH-904	0.508 [12.9]	0.366 [9.3]	0.800 [20.32]	0.075 [1.91]
5	1/4-18 NPT	0.600 [15.24]	0.366 [9.3]	N/A	N/A
6	1/8-27 NPT	0.390 [9.91]	0.366 [9.3]	N/A	N/A
В	G1/4 JIS B2351	0.547 [13.9]	0.366 [9.3]	0.708 [17.98]	0.075 [1.91]
E	1/4-19 BSPT	0.500 [12.7]	0.366 [9.3]	N/A	N/A
F	1/4-19 BSPP FEMALE (without snubber)	0.621 [15.8]	0.366 [9.3]	N/A	N/A
Р	7/16-20UNF FEMALE SAE J513 STRAIGHT THREAD WITH INTEGRAL VALVE DEPRESSOR	0.43 [10.9]	0.444 [11.3]	N/A	N/A
Q	M10 x 1.0 mm ISO 6149-2	0.449 [11.4]	0.366 [9.3]	0.543 [13.79]	0.075 [1.91]
Ν	7/16-20UNF FEMALE SAE J513 STRAIGHT THREAD	0.43 [10.9]	0.444 [11.3]	N/A	N/A
S	M12 x 1.5 mm ISO 6149-2	0.531 [13.5]	0.366 [9.3]	0.661 [16.79]	0.098 [2.49]
U	G/14 DIN 3852 FORM E GASKET DIN3869-14 NBR	0.519 [13.2]	0.366 [9.3]	0.744 [18.9]	0.079 [2.01]
W	M20 x 1.5 mm ISO 6149-2	0.551 [14.0]	0.441 [11.2]	N/A	N/A
G	M14 x 1.5 mm ISO 6149-2	0.531 [13.5]	0.366 [9.3]	0.740 [18.8]	0.98 [2.49]

HOW TO OPERATE

Please refer to the <u>M5600_U5600 Installation Manual</u> and <u>M5600_U5600 Software Manual</u>. **Note:** Communication is max 65 feet



ORDERING INFORMATION

					M5600 – <u>0</u> 0	0 0 <u>0 2</u> –	<u>05KP G</u>					
										Press	ure Type	
									G	Gauge		
Port Material								S		l (≥1kpsi)		
0 17-4PH 1 316L Stainless Steel									С	Compo	bund	
	310	L Slai						Compound p (e.g. 200PC:	ressur : -14.7	re range is to 200psig	-14.7 to xxxp , 020BC: -1 to	sig or -1 to xxxbarg. o 20barg)
		Clea	aning					Pressure	Rang			
0	No S	electio						psi STD		bar STD		
1			an B40.1 L	_evel IV				050P	_	3.5B		
2	With	Snubb	ber					100P	_	007B		
					•			200P	_	010B		
			Label To					300P	_	020B		
		0	Label Ty	-				500P	_	035B		
		1	Adhesive					01KP	(070B		
			Laser Ma	arking				03KP	1	200B		
				P	ressure Port			05KP	;	350B		
			2	1/4-19	BSPP			07KP		500B		
			3		IS B2351			10KP	-	700B		
			_		UNF Male SAE J1326-2			15KP	(01KB		
			4	90SH-9		Int	termediate Rar	iges between 3.	.5bar te	o 1kbar av	ailable upon r	request
			5	1/4-18								
			6	1/8-27								
			В		IS B2351							
			E	1/4-19								
			F		BSPP Female w/o Snubber OUNF Female SAE J513							
			Р		t Thread							
			N	7/16-20	0 UNF Female SAE J513 It Thread							
			Q	M10x1 ISO 61	49-2							
			S	M12x1 ISO 61	49-2							
			U	DIN38	IN 3852 Form E Gasket 69-14 NBR							
			w	M20x1 ISO614	19-2							
			G	M14x1 ISO614								



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