PERFORMANCE SPECIFICATIONS (DIGITAL)

Supply Voltage: 3.3V, Ambient Temperature: 25°C (unless otherwise specified)

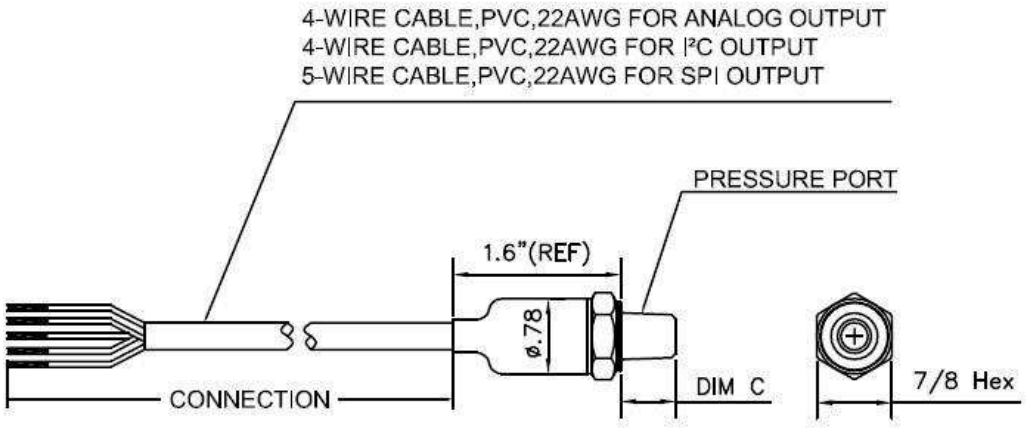
PARAMETERS	MIN	TYP	MAX	UNITS	NOTES
Supply Voltage	2.7		5.0	V_{DC}	
Output at Zero Pressure	720	1000	1280	Count	
Output at FS Pressure	14720	15000	15280	Count	
Current Consumption			3.5	mA	
Proof Pressure	2X			Rated	
Burst Pressure	5X			Rated	
Isolation, Body to Any Lead	50			MΩ	@ 250V_{DC}
Pressure Cycles	1.00E+6			0~F.S. Cycles	
Pressure Accuracy (RSS combined Non Linearity, Hysteresis & Repeatability)	-1		1	%Span	BFSL @ 25°C
Temperature Accuracy	-3		3	°C	1
Zero Thermal Error	-2.0		2.0	%Span	Over comp. temp
Span Thermal Error	-2.0		2.0	%Span	Over comp. temp
Long Term Stability (1 year)	-0.25		0.25	%Span	@ 25°C
Compensated Temperature	0		55	°C	
Compensated Temperature Output	512		1075	Count	
Response time			3	ms @ 4MHz	Non-sleep mode, 2
Response time			8.4	ms @ 4MHz	Sleep mode, 2
Operating Temperature	-20		+85	°C	
Storage Temperature	-40		+85	°C	
Shock	50g, 11 msec Half Sine Shock per MIL-STD-202G, Method 213B, Condition A				
Vibration	±20g, MIL-STD-810C, Procedure 514.2-2, Curve L				
Wetted Material (except elastomer seal)	17-4PH or 316L Stainless Steel				

For custom configurations, consult factory.

Notes

1. Reflect pressure port diaphragm temperature over the compensated temperature range.
2. Response time is from power on to reading measurement data.
3. Maximum cable length for I^2C output is 2meter and 2.5meter for SPI output.

DIMENSIONS



CODE	PORT	DIM C
2	1/4-19 BSPP	0.453[11.50]
4	7/16-20 UNF-A MALE SAE J514 STRAIGHT THREAD O-RING BUNA-N 70SH-904, ID8.92mm x W1.83mm	0.435[11.05]
5	1/4-18 NPT	0.596[15.14]
6	1/8-27 NPT	0.475[12.06]
E	1/4-19 BSPT	0.50[12.70]
F	1/4-19 BSPP FEMALE	0.70[17.78]
K	1/8-27 NPT FEMALE	0.70[17.78]
P	7/16-20 UNF-2A FEMALE SAE J514 STRAIGHT THREAD WITH INTEGRAL VALVE DEPRESSOR	0.689[17.50]
Q	M10 x 1.0 mm	0.42[10.67]
S	M12 x 1.5 mm	0.53[13.46]
U	G/14 DIN 3852 FORM E GASKET DIN3869-14 NBR	0.547[13.90]
W	M20 x 1.5 mm	0.702[17.83]

CODE	CONNECTION TYPE
1	CABLE 2 FT
2	CABLE 4 FT
3	CABLE 10 FT
M	CABLE 1 M
N	CABLE 2 M
P	CABLE 5 M
R	CABLE 10 M

OUTPUT (ANALOG)

Code	Output	Supply	Ratiometricity	Red	Black	Green	White
1	0 – 50mV	5V	Yes	+Supply	-Supply	+Output	-Output
2	0 – 100mV	5V	Yes	+Supply	-Supply	+Output	-Output
3	0.5 – 4.5V	5 ± 0.25V	Yes	+Supply	Common	Cut Off	+Output
4	1 – 5V	10 – 30V	No	+Supply	Common	Cut Off	+Output
5	4 – 20mA	9 – 30V	No	+Supply	-Supply	Cut Off	Cut Off

OUTPUT (DIGITAL)

Code	Output	Supply	Red	Black	Green	White	Yellow
J	I^2C	2.7 – 5.0V	+Supply	-Supply	SCL	SDA	--
S	SPI	2.7 – 5.0V	+Supply	-Supply	SCLK	MISO	SS