

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	1.40 pC/psi	20.3 pC/kPa	
Measurement Range	3,500 psi	241.4 bar	
Maximum Pressure	4,350 psi	300 bar	
Resonant Frequency	> 125 kHz	> 125 kHz	
Non-Linearity	≤ 0.3 % FS	≤ 0.3 % FS	
Environmental			
Acceleration Sensitivity	0.007 psi/g	0.0005 bar/g	[1]
Temperature Range(Operating)	-4 to +662 °F	-20 to +350 °C	
Temperature Range(Survivable Limit)	-58 to +752 °F	-50 to +400 °C	
Thermal Sensitivity Shift(20 to +250 °C)	2 %	2 %	[2]
Thermal Sensitivity Shift(20 to +350 °C)	5 %	5 %	[2]
Thermal Sensitivity Shift(200 °C ± 50 °C)	1 %	1 %	[2]
Thermodynamic Error(ΔP mi)	< 2%	< 2%	[3]
Thermodynamic Error(ΔP max)	< 1%	< 1%	[3]
Thermodynamic Error(ΔP(short term drift))	< 7.25 psi	< 0.5 bar	[3]
Maximum Shock	2,000 g pk	19,600 m/s ² pk	
Electrical			
Capacitance(with cable)	120 pF	120 pF	[2]
Insulation Resistance(at room temp)	> 10 ¹³ Ohm	> 10 ¹³ Ohm	
Physical			
Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Compression	Compression	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	17-4 Stainless Steel	17-4 Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	M4 x .35 Coaxial	M4 x .35 Coaxial	[4]
Cable Length	3.3 ft	1 m	
Weight(without cable)	.085 oz	2.4 gm	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1]Maximum.
 [2]Typical.
 [3]9 bar IMEP; 1500 rpm
 [4]Attached 006M40 cable with 070A54 BNC connector adaptor; o-ring sealed.
 [5]See PCB Declaration of Conformance PS158 for details.

SUPPLIED ACCESSORIES:

Model 065A69 Thermal baffle (1)
 Model 066A17 Dummy plug (1)
 Model 100-9169-50 FKM O-Ring (1)
 Model PCS-1AP NIST Traceable Calibration, room temperature and 200°C. (1)

OPTIONAL ACCESSORIES:

Model 040A39 Finishing tool (1)
 Model 040A40 Extaction Tool (1)
 Model 040A41 Mounting Key (1)

Entered: ND	Engineer: RPF	Sales: RWM	Approved: RPF	Spec Number:
Date: 10/08/2024	Date: 10/08/2024	Date: 10/08/2024	Date: 10/08/2024	41918



All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.
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