


Model Number 115A04	CHARGE OUTPUT PRESSURE SENSOR			Revision: H ECN #: 46623
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 15 %)	1.40 pC/psi	20.3 pC/bar		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Measurement Range	3.5 kpsi	241.4 bar		
Maximum Pressure	4.35 kpsi	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		
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 %	[1]	NOTES:
Thermal Sensitivity Shift(20 to +350 °C)	5 %	5 %	[1]	[1] Typical.
Thermal Sensitivity Shift(200 °C ± 50 °C)	1 %	1 %	[1]	[2] 9 bar IMEP; 1500 rpm
Thermodynamic Error(ΔP mi)	<2%	<2%	[2]	[3] Attached 006M40 cable with 070A54 BNC connector adaptor; o-ring sealed.
Thermodynamic Error(ΔP max)	<1%	<1%	[2]	
Thermodynamic Error(ΔP(short term drift))	<7.25 psi	<0.5 bar	[2]	SUPPLIED ACCESSORIES:
Maximum Shock	2000 g pk	19,600 m/s ² pk		Model 065A69 Thermal baffle (1)
Electrical				Model 066A17 Dummy plug (1)
Capacitance(with cable)	120 pF	120 pF	[1]	Model 100-9169-50 FKM O-Ring (1)
Insulation Resistance(at room temp)	>10 ¹³ Ohm	>10 ¹³ Ohm		Model PCS-1AP NIST Traceable Calibration, room temperature and 200°C. (1)
Physical				OPTIONAL ACCESSORIES:
Sensing Element	UHT-12™	UHT-12™		Model 040A39 Finishing tool (1)
Sensing Geometry	Compression	Compression		Model 040A40 Extaction Tool (1)
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel		Model 040A41 Mounting Key (1)
Diaphragm	17-4 Stainless Steel	17-4 Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	M4 x .35 Coaxial	M4 x .35 Coaxial	[3]	
Cable Length	3.3 ft	1 m		
Weight(without cable)	.085 oz	2.4 gm		
<p>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. ICP® is a registered trademark of PCB Group, Inc.</p>				
			Entered: LK	Engineer: GJR
			Date: 3/30/2017	Date: 3/30/2017
			Sales: JC	Approved: BAM
			Date: 3/30/2017	Date: 3/30/2017
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