

Model Number 115A04	CHARGE OUTPUT PRESSURE SENSOR				Revision: K ECN #: 48697
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			NOTES: [1] Typical. [2] 9 bar IMEP; 1500 rpm [3] Attached 006M40 cable with 070A54 BNC connector adaptor; o-ring sealed. [4] See PCB Declaration of Conformance PS158 for details.
Non-Linearity	≤ 0.3 % FS	≤ 0.3 % FS			
Environmental					
Acceleration Sensitivity	<0.007 psi/g	<0.0005 bar/g			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)
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]		OPTIONAL ACCESSORIES: Model 040A39 Finishing tool (1) Model 040A40 Extaction Tool (1) Model 040A41 Mounting Key (1)
Thermal Sensitivity Shift(20 to +350 °C)	5 %	5 %	[1]		
Thermal Sensitivity Shift(200 °C ± 50 °C)	1 %	1 %	[1]		
Thermodynamic Error(ΔP mi)	<2%	<2%	[2]		Entered: LK Engineer: RPF Sales: RWM Approved: BAM Spec Number:
Thermodynamic Error(ΔP max)	<1%	<1%	[2]		
Thermodynamic Error(ΔP(short term drift))	<7.25 psi	<0.5 bar	[2]		
Maximum Shock	2000 g pk	19,600 m/s ² pk			Date: 9/24/2018 Date: 9/24/2018 Date: 9/24/2018 Date: 9/24/2018 41918
Electrical					
Capacitance(with cable)	120 pF	120 pF	[1]		
Insulation Resistance(at room temp)	>10 ¹³ Ohm	>10 ¹³ Ohm			PCB PIEZOTRONICS 3425 Walden Avenue, Depew, NY 14043
Physical					
Sensing Element	UHT-12™	UHT-12™			
Sensing Geometry	Compression	Compression			Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
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	[3]		
Cable Length	3.3 ft	1 m			
Weight(without cable)	.085 oz	2.4 gm			



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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