

Model Number 410D01	ICP® SENSOR SIGNAL CONDITIONER WITH PEAK HOLD & CLAMP OUTPUT			Revision: NR ECN #: 52618	
Performance	ENGLISH	SI	SIGNAL	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.	
Channels	1	1			
Sensor Input Type(s)	ICP®	ICP®			
Voltage Gain(+/- 10%)Software Selectable)	X1 X2 X4 X8 X10 X16 X20	X1 X2 X4 X8 X10 X16 X20			
Output Range(Digital)(Peak Hold)	0 to 10 V	0 to 10 V			
Output Range(Analog Signal)	± 10 V	± 10 V			
Low Frequency Response(+/- 10 %)(AC mode)	1.0 Hz	1.0 Hz			
Low Frequency Response(DC mode)	Governed by Sensor DTC	Governed by Sensor DTC			
High Frequency Response(+/- 5%)	1 kHz	1 kHz			
Control Interface					
Digital Control Interface	USB	USB			
Human Interface	Downloadable Software Configurator	Downloadable Software Configurator			
Display	None	None			
Environmental					
Temperature Range	-40 to 158 °F	-40 to 70 °C			
Electrical					
DC Power(± 10 %)	24 VDC	24 VDC			
DC Power(Maximum)	350 mA	350 mA			
Excitation Voltage(To Sensor)	20 VDC	20 VDC	[1]		
DC Offset(After reset)	≤ 70 mV	≤ 70 mV	[1]		
Constant Current Excitation(To Sensor)	4 mA	4 mA	[1]		
Discharge Time Constant(AC mode)	0.6 sec	0.6 sec	[1]		
Broadband Electrical Noise(1 to 10 kHz)(Gain x1)	20 µV rms	20 µV rms	[1]		
Input(Reset)	Optically Isolated	Optically Isolated			
Polarity(Tension/Compression)	Software Selectable	Software Selectable			
Physical					
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack			
Electrical Connector(Peak Analog Output)	Screw Terminal	Screw Terminal			
Electrical Connector(Wave Form Analog Output)	Screw Terminal	Screw Terminal			
Electrical Connector(Analog Output Common)	Screw Terminal	Screw Terminal	[2]		
Electrical Connector(Input Reset)	Screw Terminal	Screw Terminal			
Electrical Connector(USB Interface)	Type B	Type B			
Mounting	DIN Rail	DIN Rail			
Size (Height x Length x Width)	3.9 in x 4.46 in x 1.78 in	99 mm x 113.3 mm x 45.2 mm			
Weight	0.46 lb	208 gm	[1]		
				NOTES: [1]Typical. [2]Optically isolated contact closure. [3]See PCB Declaration of Conformance PS024 for details.	
				SUPPLIED ACCESSORIES: Model 100-16427-40 USB 2.0 Cable A to B Male	
Entered: ND		Engineer: gs	Sales: KWW	Approved: BAM	Spec Number:
Date: 09/11/2025		Date: 09/11/2025	Date: 09/11/2025	Date: 09/11/2025	74543
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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 Piezotronics, Inc.					
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