

Model Number
410C01

ICP® SENSOR SIGNAL CONDITIONER WITH PEAK HOLD OUTPUT SIGNAL

Revision: NR
ECN #: 49765

Performance	ENGLISH	SI	
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)	0.5 Hz	0.5 Hz	
Low Frequency Response(DC mode)	Governed by Sensor DTC	Governed by Sensor DTC	
High Frequency Response(+/- 5%)	10 kHz	10 kHz	
Control Interface			
Digital Control Interface	USB, Ethernet	USB, Ethernet	
Human Interface	Downloadable Software Configurator	Downloadable Software Configurator	
Display	None	None	
Environmental			
Temperature Range	60 to 110 °F	15 to 45 °C	
Electrical			
DC Power(± 10 %)	24 VDC	24 VDC	
DC Power (Maximum)	200 mA	200 mA	
Excitation Voltage(To Sensor)	20 VDC	20 VDC	[1]
DC Offset(After reset)	≤ 50 mV	≤ 50 mV	
Constant Current Excitation(To Sensor)	4 mA	4 mA	[1]
Discharge Time Constant	1 sec	1 sec	[1]
Broadband Electrical Noise(1 to 10 kHz)(Gain x1)	200 µV rms	200 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(Ethernet)	RJ45	RJ45	
Electrical Connector(Input Reset)	Screw Terminal	Screw Terminal	
Electrical Connector(USB Interface)	Type B	Type B	
Mounting	DIN Rail	DIN Rail	
Size - Height	3.9 in	99 mm	
Size - Width	1.78 in	45.2 mm	
Size - Length	4.46 in	113.3 mm	
Weight	0.46 lb	208 gm	[1]



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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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] 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: LK	Engineer: gs	Sales: KWW	Approved: BAM	Spec Number:
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