

Model Number
672A01

ECHOPLUS®

Revision: C
ECN #: 50243

Performance

	ENGLISH	SI	
RMS Velocity Frequency Range(± 3 dB)	4 to 2,300 Hz	4 to 2,300 Hz	
Velocity HP Filter	2 Hz, 1-pole RC	2 Hz, 1-pole RC	
Velocity LP Filter	2400 Hz,3-pole Chebyshev	2400 Hz,3-pole Chebyshev	
Velocity Resolution	0.001 ips	0.001 ips	
Velocity Range	4.096 ips	4.096 ips	
RMS Acceleration Frequency Range(± 3 dB)	2,300 to 15,000 Hz	2,300 to 15,000 Hz	
Acceleration HP Filter	2000 Hz,4-pole Chebyshev	2000 Hz,4-pole Chebyshev	
Acceleration LP Filter	15k Hz, 3-pole Chebyshev + 1-	15k Hz, 3-pole Chebyshev + 1-	
	pole RC	pole RC	
Acceleration Resolution	0.005 g	0.005 g	[1]
Acceleration Range	40.48 g	40.48 g	[1]
Amplitude Linearity	1%	1%	[2]

Environmental

Temperature Range(electronics)	-4 to +158 °F	-20 to +70 °C	
Enclosure Rating	NEMA 4X	IP66	
Transmission Range	250 ft to >1 mile radius, installation dependent	250 ft to >1 mile radius, installation dependent	[3]

Electrical

RMS Velocity	Analog Integration, FFT Sum	Analog Integration, FFT Sum	
RMS Acceleration	3.7 Sec time sample @ 61.4 kHz sample rate	3.7 Sec time sample @ 61.4 kHz sample rate	
Filtered Crest Factor(max)	16	16	
Frequency Band	916 MHz ISM Band	916 MHz ISM Band	
Number of RF Bands	12	12	
Maximum Power(ERP)	0.75 mW	0.75 mW	
RF Data Rate	20 bps	20 bps	
ADC/dynamic range	16 bit/>90db	16 bit/>90db	
External Battery Power	6 to 13 VDC	6 to 13 VDC	
External DC Power(± 1 V)	24 VDC	24 VDC	
Current Consumption	< 150 mA	< 150 mA	
Sensor Power Supplied	24 VDC @ 2.2 mA	24 VDC @ 2.2 mA	

Physical

Size (Height x Width x Depth)	8.00 in x 6.00 in x 4.00 in	203 mm x 152 mm x 102 mm	
Weight	2.85 lb	1.29 kg	
Buffered Sensor Analog Output	BNC	BNC	
Sensor Select timeout	15 min	15 min	
Channels per Board	8	8	
Input Connector	Terminal Strip	Terminal Strip	

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.

CS - Canadian Standards Association Approved

Intrinsically Safe

Hazardous Area Approval

CI 1, Div 2, Groups A, B, C, D,

CI 1, Div 2, Groups A, B, C, D,

T4

T4

Size - Depth

10.24 in

260 mm

Size - Height

3.54 in

90 mm

Size - Width

6.30 in

160 mm

Weight

5.2 lb

2.4 kg

NOTES:

[1] Conversion Factor 1g = 9.81 m/s².

[2] Zero-based, least-squares, straight line method.

[3] Typical.

Entered: LK

Engineer: KL

Sales: MC

Approved: JWH

Spec Number:

Date: 02/19/2020

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48612



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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