



Industrial Accelerometer

1 axis	2 axes	3 axes	Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
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CURRENT OUTPUT (4..20mA)

Condition Monitoring

			Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
IAC-I-CM-01			± 25 g	0..10 kHz	50	0,005000
IAC-I-CM-01			± 50 g	0..10 kHz	50	0,005000
IAC-I-CM-01			± 100 g	0..10 kHz	50	0,005000

Standard Resolution

			Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
IAC-I-01	IAC-I-02 ³	IAC-I-03	± 2 g	0..1000 Hz	50	0,001581
IAC-I-01	IAC-I-02 ³	IAC-I-03	± 6 g	0..1000 Hz	50	0,001581

High Resolution

			Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 2 g	0..400 Hz	8	0,000160
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 5 g	0..600 Hz	10	0,000245
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 10 g	0..1000 Hz	13	0,000411
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 25 g	0..1500 Hz	28	0,001084
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 50 g	0..2000 Hz	53	0,002370
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 100 g	0..2500 Hz	100	0,005000
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 200 g	0..3000 Hz	200	0,010954
IAC-HiRes-I-01	IAC-HiRes-I-02	IAC-HiRes-I-03	± 400 g	0..4000 Hz	400	0,025298

VOLTAGE OUTPUT

Standard Resolution

			Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
IAC-U-01	IAC-U-02	IAC-U-03	± 2 g	0..1000 Hz	50	0,001581
IAC-U-01	IAC-U-02	IAC-U-03	± 6 g	0..1000 Hz	50	0,001581

High Resolution

			Range	Max. Bandwidth (-3dB)	Noise $\mu\text{g}/\sqrt{\text{Hz}}$	Resolution ² g over max. bandwidth
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 2 g	0..400 Hz	5	0,000100
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 5 g	0..600 Hz	7	0,000171
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 10 g	0..1000 Hz	10	0,000316
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 25 g	0..1500 Hz	25	0,000968
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 50 g	0..2000 Hz	50	0,002236
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 100 g	0..2500 Hz	100	0,005000
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 200 g	0..3000 Hz	200	0,010954
IAC-HiRes-Ud-01	IAC-HiRes-Ud-02	IAC-HiRes-Ud-03	± 400 g	0..4000 Hz	400	0,025298

Case Dimensions

	L:23 x l:23 x H:14 mm
	L:27 x l:27 x H:18 mm
	L:30 x l:30 x H:20 mm
	L:39 x l:37 x H:31 mm

1 : all accelerometers can be made in IP68 - 5 BAR with marine cable

2 : resolution for other bandwidth can be computed using

$$\text{Resolution } (\mu\text{g}) = \text{Noise } (\mu\text{g}/\sqrt{\text{Hz}}) * \sqrt{\text{bandwidth(Hz)}}$$

3 : exist in flat casing



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