

Submersible dual purpose, top-entry accelerometer with 100mV/g AC and 4-20mA DC outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh underwater environments and areas with constant moisture or condensation. Sealed to IP68 and includes heavy duty polyurethane cable. Available with a wide range of mountings.

MTN/1186W



Applications

- Air handling units
- Building services
- Submersible pumps

Technical

Output current	4-20mA DC proportional to rms velocity (mm/s)
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Supply voltage range	12-32V DC (4-20mA)
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AC output	Voltage proportional to acceleration (g)
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Frequency response (mm/s)	2Hz to 1kHz $\pm 10\%$
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Frequency response (g)	-3dB @ 0.8Hz
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Mounted base resonance	5kHz (nominal)
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Isolation	Base isolated
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Dynamic range	30g peak for 100mV/g 60g peak for 50mV/g
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Transverse sensitivity	Less than 5%
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Operating temperature	-25 to 90°C
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Temperature sensitivity	0.08%/°C
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Bias voltage (AC output)	3V DC (nominal)
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Case material	Stainless steel
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Cable	Integral polyurethane - length to be specified at point of order
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Maximum cable length	100m
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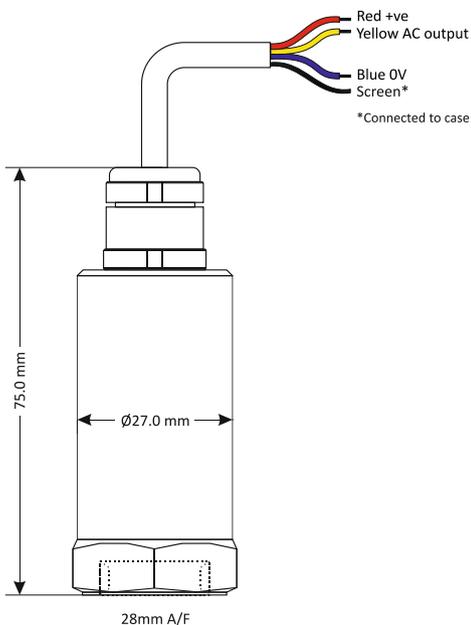
Mounting torque	8Nm
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Weight	150g (nominal)
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Sealing	IP68
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Submersible depth	100m max (10 bar)
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Dimensions

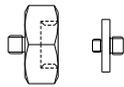


Studs and grub screws



Part #	From	To
MS036	¼"-28 UNF Male	M6 Male
MS039	¼"-28 UNF Male	10-32 UNF Male
MS067	¼"-28 UNF Male	M8 Male
MS068	¼"-28 UNF Male	¼"-28 UNF Male
MS124	¼"-28 UNF Male	M10 Male
MS132	¼"-28 UNF Male	M12 Male

Quick fit adapters



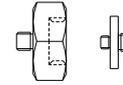
Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

Options

- Connector
- Filters
- Mounting threads
- Other velocities (see below)

Part #	Mounting	xx = Optional velocity (mm/s rms)	xx = Optional sensitivity (mV/g)
MTN/1186W-xx	¼" UNF Female	0-10	100mV/g
		0-20	100mV/g
		0-25	100mV/g
MTN/1186WQ-xx	Q/F Female	0-50	50mV/g
		0-100	50mV/g

Mounting adapters



Part #	From	To
MS005	Q/F Male	¼"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	¼"-28 UNF Male	Q/F Female
MS013	¼"-28 UNF Male	Glue base
MS033	¼"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	¼"-28 UNF Male	10-32 UNF Male
MS079	¼"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

Isolation

Part #	From	To
MS034	¼"-28 UNF Male	¼"-28 UNF Female
MS093	Q/F Male	M8 Male

System connection

