



General Purpose Vibration Accelerometers

Part	TUI-1100	TUI-1100C	TUI-1100SC	TUI-1100SCM8	TUI-1100SM8
Description	General Purpose industrial accelerometer	General Purpose industrial accelerometer	Low Profile side entry accelerometer for restricted access installations	Low Profile side entry accelerometer for restricted access installations	Low Profile side entry accelerometer for restricted access installations
Standard Sensitivity	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz
Frequency Response	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)
Mounted Base Resonance	18kHz (nominal)	18kHz (nominal)	18kHz (nominal)	18kHz (nominal)	18kHz (nominal)
Current Range	0.5mA to 8mA	0.5mA to 8mA	0.5mA to 8mA	0.5mA to 8mA	0.5mA to 8mA
Bias Voltage (AC Output)	12 Volts DC (nominal)	12 Volts DC (nominal)	12 Volts DC (nominal)	12 Volts DC (nominal)	12 Volts DC (nominal)
Isolation	Base Isolated	Base Isolated	Base Isolated	Base Isolated	Base Isolated
Dynamic Range	± 80g	± 80g	± 80g	± 80g	± 80g
Operating Temp Range	-55 to 140°C	-55 to 140°C	-55 to 140°C	-55 to 140°C	-55 to 140°C
Transverse Sensitivity	Less than 5%	Less than 5%	Less than 5%	Less than 5%	Less than 5%
Electrical Noise	0.1 mg max	0.1 mg max	0.1 mg max	0.1 mg max	0.1 mg max
Cable		5m Integral Stainless steel over braided PTFE	5m Integral Stainless steel over braided PTFE	5m Integral Stainless steel over braided PTFE	
Mounting Bolt Provided			M6 x 33mm long (Part no TUI-1100SM6) or ¼"- 28UNF x 33mm long (Part no TUI-1100S)	M8 x 28mm (captured in Body)	M8 x 28mm (captured in Body)
Maximum Cable Length		Please Specify	Please Specify	Please Specify	Please Specify
Case Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Weight	110gms (nominal)	110gms (nominal)	170gms (nominal)	170gms (nominal)	170gms (nominal)
Sealing	IP67	IP67	IP67	IP67	IP67
Mounting Torque	8 Nm	8 Nm	8 Nm	8 Nm	8 Nm

Mounting Options: Quick Fit Female, ¼" UNF For Options Mounting Specification Data Sheet

Range Available: 10mV/g, 30mV/g, 50mV/g, 500mV/g, 1V/g

Part Number Abbreviation on order: TUI-1100TCQ-xx (Where C= Cable Q= quick mount Fit and xx= Optional sensitivity)