



# Dual Accelerometer with Temperature and Vibration Outputs

Part Number	TUI-1100T	TUI-1100ST	TUI-1100TC	TUI-1100SHTC
<b>Description</b>	General purpose industrial accelerometer with temperature sensor	General Purpose industrial accelerometer with temperature sensor- <b>SIDE ENTRY</b>	General Purpose industrial accelerometer with temperature sensor	General Purpose industrial accelerometer with temperature sensor- <b>SIDE ENTRY</b>
<b>Temperature</b>	1µA/°K or 10mV/°C (to be specified on order)	1µA/°K or 10mV/°C (to be specified on order)	1µA/°K or 10mV/°C (to be specified on order)	1µA/°K or 10mV/°C (to be specified on order)
<b>Standard Sensitivity</b>	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz
<b>Frequency Response</b>	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)
<b>Mounted Base Resonance</b>	18kHz (nominal)	18kHz (nominal)	18kHz (nominal)	18kHz (nominal)
<b>Current Range</b>	0.5mA to 8mA	0.5mA to 8mA	0.5mA to 8mA	0.5mA to 8mA
<b>Bias Voltage (AC Output)</b>	12 Volts DC (nominal)	12 Volts DC (nominal)	12 Volts DC (nominal)	12 Volts DC (nominal)
<b>Isolation</b>	Base Isolated	Base Isolated	Base Isolated	Base Isolated
<b>Operating Temp Range</b>	-55 to 140°C	-55 to 140°C	-55 to 140°C	-55 to 140°C
<b>Transverse Sensitivity</b>	Less than 5%	Less than 5%	Less than 5%	Less than 5%
<b>Electrical Noise</b>	0.3 mg max	0.3 mg max	0.3 mg max	0.3 mg max
<b>Cable</b>			5m Integral S/S over braided PTFE	5m Integral S/S over braided PTFE
<b>Case Material</b>	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
<b>Weight</b>	110gms (nominal)	110gms (nominal)	110gms (nominal)	110gms (nominal)
<b>Sealing</b>	IP67	IP67	IP67	IP67
<b>Mounting Torque</b>	8 Nm	8 Nm	8 Nm	8 Nm

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

Additional cable lengths on request @ \$7.50 per metre

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)