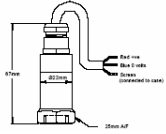
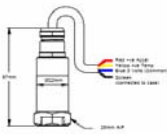
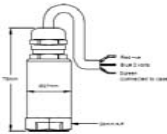
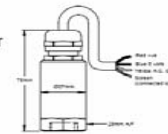
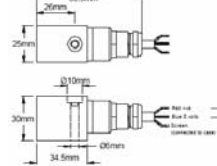


Submersible Vibration Sensors

Part	TUI-1100W	TUI-1100TW	TUI-1185W	TUI-1186W	TUI-1100SW
					
Description	Fully submersible industrial accelerometer	Fully submersible industrial accelerometer with Temperature	Submersible Velocity Transducer 4-20mA Output for PLC Interface	Submersible Velocity Transducer 4-20mA Output for PLC Interface & Data Collection	Low profile submersible side entry industrial accelerometer for restricted access installations
Temperature		1µA/°K or 10mV/°C (to be specified on order)			
Standard Sensitivity	100mV/g ± 10% nominal at 80Hz	100mV/g ± 10% nominal at 80Hz			100mV/g ± 10% nominal at 80Hz
Output Current			4-20mA DC Proportional to RMS velocity (mm/s)	4-20mA DC Proportional to RMS velocity (mm/s)	
AC Output				AC Voltage proportional to acceleration (g)	
Measurement Range	± 50g	± 80g	See Table	See Table	
Frequency Response	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)	2 Hz to 1 kHz ± 10%	2 Hz to 1 kHz ± 10%	2 Hz to 10kHz ± 5% (-3db @ 0.8 Hz)
Dynamic Range			50 g peak	30g peak for 100mV/g 60g peak for 50mV/g	±80 g
Mounted Base Resonance	18kHz min	18kHz min	5 kHz min	5 kHz min	18kHz min
Current Range	0.5mA to 8mA	0.5mA to 8mA			0.5mA to 8mA
Bias Voltage (AC Output)	12 Volts DC (nominal)	12 Volts DC (nominal)		3 Volts	12 Volts DC (nominal)
Isolation	Base Isolated	Base Isolated	Base Isolated	Base Isolated	Base Isolated
Operating Temp Range	-25 to 90°C	-25 to 90°C	-25 to 90°C	-25 to 90°C	-25 to 90°C
Temperature Sensitivity			0.08 %/°C	0.08 %/°C	
Transverse Sensitivity	Less than 5%	Less than 5%	Less than 5%	Less than 5%	0.1 mg max
Electrical Noise	0.1mg max	0.1mg max			
Supply Voltage Range			12-32 Volts DC (4-20mA)	12-32 Volts DC (4-20mA)	
Standard Cable	Polyurethane-Length to be specified Additional cost	Polyurethane-Length to be specified Additional cost	Polyurethane-Length to be specified Additional cost	Polyurethane-Length to be specified Additional cost	Polyurethane-Length to be specified Additional cost
Case Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Weight	120gms (nominal)	120gms (nominal)	150gms (nominal)	150gms (nominal)	170gms (nominal)
Sealing	IP68	IP68	IP68	IP68	IP68
Mounting Torque	8Nm	8Nm	8Nm	8Nm	8Nm
Submersible Depth	100 metres maximum (10bar)	100 metres maximum (10bar)	100 metres maximum (10bar)	100 metres maximum (10bar)	100 metres maximum (10bar)

Polyurethane Cable additional cost- Length must be specified

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)