

## SPECIFICATION SHEET: VIBRATING WIRE SENSOR NODE



## Physical Specifications

Dimensions (L x W x H)	118 x 105 x 64 mm
Total Mass	439g (approx.)
Housing Material	PC plastic body and lid cover with die cast aluminium base
Internal Protection Marking	IP66
Mounting Options	M4 holes in bottom, Plates and brackets available for magnetic fixing, trackbed, stake and pole mounting
Operating Temperature Range	-40°C to +70°C

## Internal Battery

Battery Type	Lithium Thionyl Chloride, non-rechargeable, D-cell
Nominal Voltage	3.6 V
Nominal Capacity	19000 mAh
Typical Battery Life	12 years at 30 minute reporting intervals when using radio preset 1

## Vibrating Wire Specifications

<b>Frequency Resolution</b>	0.001 Hz
<b>Frequency Repeatability</b>	±0.02 Hz
<b>Frequency Range</b>	200-6000 Hz
<b>Stimulus Type</b>	Swept Sine Wave, 6 V peak to peak
<b>Thermistor Type</b>	3kΩ NTC
<b>Temperature Resolution</b>	0.05°C
<b>Temperature Accuracy</b>	±0.1°C
<b>Temperature Range</b>	-40°C to +85°C

## Sampling and Reporting

<b>Maximum Reporting Frequency</b>	30 seconds
<b>Sample Storage</b>	Stores up to 75,000 sampling cycles in a circular buffer

## Certifications

- Tested to conformity with all the essential requirements of the Radio Equipment Directive 2014/53/EU and RoHS Directive 2011/65/EU
- FCC Grant of Equipment Authorization
- ACB ISED Canada Certificate: 24373-LR3N
- RCM (Australia and New Zealand)