

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

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

Sampling and Reporting

Maximum Reporting Frequency	30 seconds
Sample Storage	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)