

# SPECIFICATION SHEET: TRIAXIAL TILT NODE



## Physical Specifications

Dimensions	105 x 105 x 64 mm
Total Mass	414g (approx.)
Housing Material	PC plastic body and lid cover with a die-cast aluminium base
Internal Protection Marking	IP66
Mounting Options	M4 holes underneath Plates and brackets available for magnetic fixing, trackbed, stake and pole mounting, and many other applications
Operating Temperature Range	-40°C to +80°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

### Tilt Sensor Specifications

Resolution	0.0001° (0.00175 mm/m)
Repeatability (-IXH variant)	±0.0025° (±0.0436 mm/m)
Range	±90°

### Sampling & Reporting

Maximum Reporting Frequency	30 seconds
Sample Storage	Stores up to 60,000 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 ISSED Canada Certificate: 24373-LR3N
- RCM (Australia and New Zealand)