



The Viotel Smart Barrier node features a unique patented design for quick installation on wire rope barriers and fences. The node measures the tension of the wires, and monitors the barrier for impacts.

The Smart Barrier node uses an integrated solar panel and rechargeable battery, and an internal Cat-M1 modem for communications. The barrier status is uploaded regularly, and whenever an impact is detected.

## VIOTEL SMART BARRIER NODE

### FEATURES AND BENEFITS:

- INTERNAL ACCELEROMETER WITH ADVANCED SIGNAL PROCESSING TO MINIMISE FALSE ALARMS
- WIRELESS OPERATION USING CAT-M1
- ALARM CAPABILITY WHEN IMPACTS ARE DETECTED
- MEASURES WIRE ROPE TENSION
- TAMPERING DETECTED IN REAL-TIME
- INTERNAL GPS FOR POSITIONING

### SPECIFICATIONS

ACCELEROMETER	3 COMPONENT - TRIAXIAL
TENSION MEASUREMENT	COMBINATION OF TENSION IN TWO WIRES
TENSION FULL-SCALE	100 kN (3m spacing between posts, 5cm wire deflection)
TENSION ACCURACY	150 N (3m spacing between posts, 5cm wire deflection)
ATTACHMENT TO BARRIER	STEEL CABLE TIES TO UPPER AND LOWER WIRES & STEEL BAND FOR TENSION MEASUREMENT
DATA UPLOADS	REGULARLY (HOURLY/DAILY DEPENDING ON BATTERY LEVEL) AS WELL AS WHENEVER IMPACTS ARE DETECTS
TILT TOLERANCE	180° (OMNIDIRECTIONAL)
DIMENSIONS	90 X 130 X 40 (W X L X D) MILLIMETRES – EXCL BAND
WEIGHT	0.5 KG
OPERATING TEMPERATURE	-10 TO +65 °C
POWER	INTEGRATED SOLAR PANEL WITH RECHARGEABLE BATTERY
ENCLOSURE FEATURES	ABS PLASTIC, IP67

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