



VIOTEL Smart Barrier Monitor Node User Guide

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Quick Start Guide



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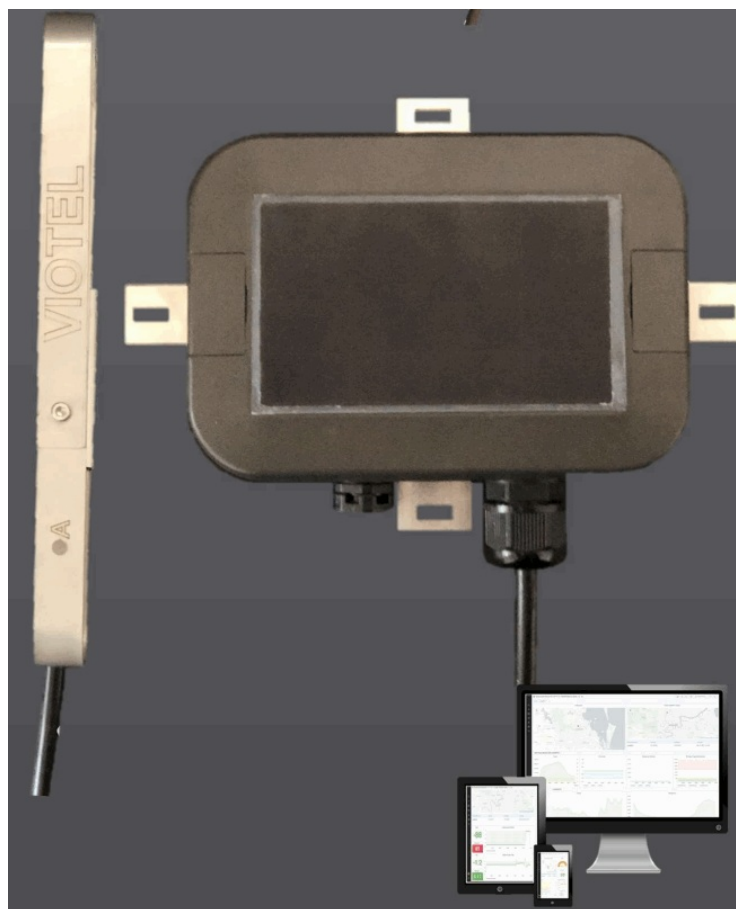
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SMART BARRIER MONITOR NODE

1. MOUNT

Use a tension device to compress both the top and bottom wires on wire rope barrier. Wrap and secure the Strain band onto the compressed section. Remove the tensioning device from the barrier.

Attach the SMART Barrier device to the two wires on the barrier with steel cable ties.



2. USING THE MAGNET

Wherever instructed to tap the node using the magnet, do so at the spot indicated “X”. Sequential taps must be performed within 3 seconds before the device count resets.

3. CONFIRM STATUS

Tap Once

- If the device is off, a solid blue light will appear from the status LED. Proceed to step 4.
- If the device is on, a solid green light will appear from the status LED. Proceed to step 5.

4. TOGGLE DEVICE ON

Tap Twice

- This will turn the device on followed quickly by 2 green LED flashes. The device may take several minutes to update.

5. VIEW DATA

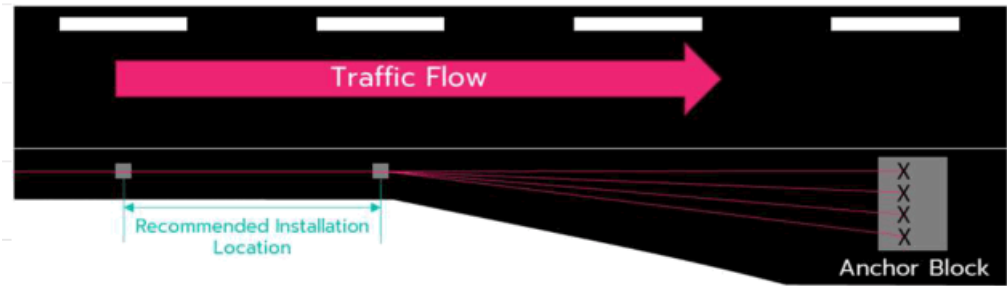
Please head over to your nodes Dashboard to begin seeing the data.

Please refer to the User Manual for more information and a full guide on this device.

For queries, email support@viotel.co

STATUS	
GREEN	On
BLUE	Off
RED	Device is Busy

COMMS	
BLUE	Communicating with server
YELLOW	Collecting GPS Coordinates
RED	Unable to Communicate

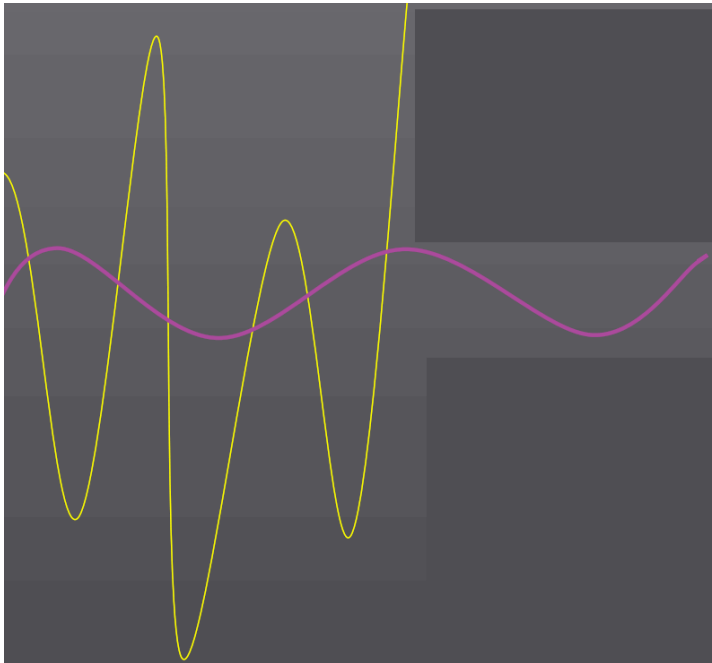


RECOMMENDED INSTALLATION LOCATION

It is highly recommended that the Viotel SMARTBarrier Node be installed on the last full barrier section before the anchor block downstream of the flow of traffic. The device can efficiently detect strain and crashes along the entire length of the barrier from this position.

OUR RESONANCE

Resonance describes the phenomenon of increased amplitude that occurs when a an external force or a vibrating system is equal or close to a natural frequency of the system on which it acts.



Leveraging decades of experience in earthquake analysis and monitoring of mining seismicity, Viotel have a deep understanding of resonance and have developed a unique series of asset management solutions involving monitoring and analysis of vibrations and waveforms.



<https://www.viotel.co/triaxial-tiltmeter.html>

The Viotel Wireless Triaxial Tiltmeter features a high accuracy triaxial tilt sensor and is self-contained with internal battery (solar panel optional), GPS and cellular (CatM1) modem.

The tiltmeter is shipped pre-programmed and integrated. Simply mount the sensor in the desired location and power on for reliable, continuous, real-time monitoring.



www.viotel.co
sales@viotel.co

Documents / Resources



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Smart Barrier Monitor Node, Barrier Monitor Node, Monitor Node, Node

References

- [Viotel - Smart Monitoring Solutions](#)