DATASHEET

VIOTEL
SMARTER DATA

Smart IoT Node

FEATURES AND BENEFITS:

- 1-CHANNEL MODBUS/RS485
- 2-CHANNEL 4-20MA
- 1-CHANNEL STRAIN GAUGE
- LTE-M COMMUNICATIONS
- INTERNAL GPS FOR POSITIONING
- INTERNAL TEMPERATURE SENSOR
- COMPATIBLE WITH A WIDE RANGE OF SENSORS INCLUDING INCLINOMETERS
- MADE IN AUSTRALIA

The Viotel SMART IoT Data Node is based on an ultra-low power microprocessor and is self-contained with internal battery (solar panel optional), GPS and cellular (LTE-M) modem.

The node is shipped pre-programmed and integrated. Simply mount the node in the desired location, connect the external sensor and power on for reliable, continuous, real-time monitoring. Self manage configuration via myViotel device manager & dashboard..

Specifications

Interface	1x Modbus / RS485 2x 4-20mA current loop 1x strain gauge
Resolution	24 bits over 4-20mA
Accuracy	20 nA
Sampling Rate	From every 5 minutes to daily
Upload Rate	From every 5 minutes to daily (max 24 samples per upload)
Dimensions / Weight	150mm × 210mm × 55mm (W X L X D) / 0.7kg
Operating Temperature	−35°C to 65°C
Input Power	Internal non-rechargeable battery • (Battery life will vary depending on interface type, number of instruments, sample rate and upload rate) External 4 − 15 VDC
Enclosure features	ASA Plastic, IP67

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