

SMU JR VIBE

This special version of our Satellite Monitoring Unit SMU Jr offers all the same benefits and features you are used to with the added function of sensing mechanical vibration. This provides you important information and alerts you to critical conditions, including earthquakes.



PRODUCT SPECIFICATIONS

SATALARM® SERVER WEB-BASED SCADA

- Web browser based historian
- Color graphical interface
- User configurable displays
- Customizable dashboard
- Multi data point graphs
- Data tracking
- Integrated Maps
- Equipment configuration
- Device control
- Data conditioning
- Reporting

EXTERNAL INTERFACES

- Serial: 2 ports; RS-232 and RS-485
- Built in internal 3-axis vibration sensor
- I/O: 4 channel; individually configurable as analog input or digital input/output
 - o Analog inputs: 0 – 3.0V, 1.0mV (12-bit) resolution; 4-20mA, 143 Ω loop resistor
 - o Digital inputs: -10 – 150VDC safe, pull-up or pull-down
 - o Digital outputs: 32VDC safe, 250mA sinking (open drain), or 3VDC, 25μA (pushpull)
- Additional I/O available using Modbus I/O expansion modules

POWER

- Solar Power: 12VDC, 5W, 7Ah

PROGRAMMING

- Reporting (configured over the air):
 - o Configurable time-of-day based schedule
 - o Configurable interval-based schedule
 - o 3 minutes up to once every 3 days
 - o By exception; user definable test conditions
- Modbus RTU:
 - o 16 configurable commands
 - o Data reportable by schedule, interval, threshold test, any change, or pattern match

PHYSICAL

- 16.0 x 10.5 x 9.3 in. (40.6 x 26.7 x 23.6 cm)
- 13.9 lbs. (6.3 kg)

ENVIRONMENTAL

- Operating Temperature: -20°C to +50°C
- Storage Temperature: -40°C to +85°C
- Humidity: 90%RH @ 85°C; meets SAE J1455
- Dust and Water Ingress: IP66/Nema-6P (with door screws installed)

SATELLITE MESSAGING

- Two-way, global, IsatData Pro • From terminal (max per message) - 6400 bytes
- To terminal (max per message) - 10,000 bytes

CERTIFICATIONS/ COMPLIANCE

- Satellite - Inmarsat • Other - C-Tick, CE, FCC, IC, Anatel, RoHS(?)

GPS

- Acquisition Time: 27 seconds (warm & cold)
- Accuracy: 2.5 meters (CEP-Horizontal)
- Sensitivity:
 - o Acquisition: -147 dBm
 - o Tracking: -159 dBm

CONTACT DETAILS

CORPORATE

255 Pennbriht Drive,
Suite 240
Houston, TX 77090

PH: 346 701 5711

COLORADO

2171 S Trenton Way,
Suite 217
Denver, CO 80231

PH: 303 279 2002

AUSTRALIA

2/26 Carbine Way,
Mornington,
Victoria 3931

PH: +61 400
770790

INDIA

146/1 Bakhtawar RAM
Indore, Madhya Pradesh
PIN 452018

PH: +91
7898144480

PRODUCT SPECIFICATIONS

SATELLITE COMMUNICATION

- Frequency:
 - o From terminal: 1626.6 – 1660.5 MHz
 - o To terminal: 1525 – 1559 MHz • Elevation Angle: 20° to 90° for communications link • Maximum EIRP: 7.0 dBW
- Maximum Antenna Gain: 4.5 dBic

ENCLOSURE

- Polycarbonate
- Nema-4x/6P (with door screws installed)
- 1x ½-inch pass-thru cord grip
- Lockable

WARRANTY

- 3 year standard limited warranty

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