

Veva III 3-in-1 Monitor

Vibration, Tilt & Sound Sensor

Three New Vibration Modes

Flexible antenna options

4G & WiFi enabled 

Locking connectors

Auto orienting

Integrated lithium battery with lifespan of up to 6 months

Single-screw mounting

Compact & lightweight for easy installation



Integrated with Inzwa Cloud platform & includes cellular service.

Microphone sold separately

Vibration Specifications:

Accuracy	± 5%
Acceleration Ranges	± 2, 4, 8 G
Output Modes	Peak Particle Velocity Vibration Dose Value Vibration Total Value Analysis One-Third Octave (VC-C)
Measurement Axes	3
Max. Velocity Range	4.9in/s (125 mm/s) @100Hz
Sample Rates	1, 2 and 4 kHz
Frequency Response	1 - 1000 Hz
Alert Threshold Range	0.002 to 24.4 in/s (0.05 to 620 mm/s)

Tilt Specifications:

Euler Angles	Pitch ±90°, Roll ±90°
Resolution	0.0035°
Accuracy	±0.005°
Data Outputs	Baseline, Instantaneous & Differential Angle (deg)
Alert Threshold Range	0.5° to 70.0°
Temperature Stability	+/- .005° (-45° to 85°C)
Stabilization Time	10 secs
Reading Interval	10 sec to 12 hours

Technical Data (con't.)

Sound Level Specifications (microphone required):

Type	IEC61672 Class 1
Weightings	A, C, and Z
Sample Rates	8, 12, 24, 48 kHz
Frequency Response	20 Hz – 20 kHz
Distortion	2.2% at 115dB SPL
Equalization	Flat, 10 Hz to 20 kHz
Signal to Noise (dB)	64.5dba
Acoustic Overload	120db
Response Standard	Fast (125s), Slow (1s), Impulse (35ms rise/1.5sec fall)
Alert Threshold Range	50 – 100 dbA
Data Outputs	Leq, Lmin, Lmax, L1, L5, L10, L50, L90, L95, L99, waveform, audio

Communications:

Cellular	4G LTE M1/NB1/EGPRS, GPS
WiFi	802.11 b/g, 2.4 GHz
Protocols	FTP, M2M/SMS, MQTT, NTP, HTTP

Power and Environmental:

Battery Capacity	52Ah, 4 x D-cell Li-SOCl ₂
Battery Life	Up to 6 months, depending on configuration and environmental factors.
External Power	5V D.C. via USB, 2A USB adapter required.
Solar/Bus Power	7 – 18V D.C. Optional cable required.
Operating Temperature	-40°F to +185°F (-40°C to +85°C)

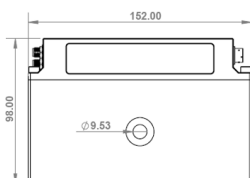
Physical:

Enclosure	Aluminum, IP67 rated
Dimensions	6.0in. x 1.6in. x 3.9in. (152mm x 41mm x 98mm)
Weight	2.5lbs. (1.15kg) w/4 D-cell batteries
Mounting	3/8 in. (M10) through-hole
Connectors	RP-SMA Female Antenna (Cellular/Wifi, GPS, BLE) 6-pin LEMO (USB) 4-pin LEMO (Auxiliary)

General:

Data Storage	512Mb Micro SD Card, expandable to 2Gb
Data Output Format	CSV, JSON
Clock	Network Time Sync, NTP
Device Management	Cloud, USB terminal, BLE (future)
Firmware Updates	Remote over-the-air programming (OTAP)

Specifications subject to change without notice or obligation.



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INZWA
sales@inzwatech.com
 844-44-INZWA
www.inzwa.io

