



Six interchangeable modules:

- Vibrating Wire
- Pulse
- RS-485/RS-422*
- Voltage (0-5V)*
- Current (4-20mA)*
- Relay Output*

Veva III provides power and communications

DIN-rail mount for easy installation

- Piezometers, Load Cells
- Rain Gauges, Flowmeters
- IPI, IPX, ShapeArray
- Analog
- Klaxon, Strobes

Daisy-chain any combination of six to the Veva III.*
Seamless integration to Inzwa Cloud.

*Coming soon!

Vibrating Wire Module Specifications:

Compatibility	Single-coil vibrating wire instruments
Detection & Configuration	Automatically identifies coils from 50 Ω to 10 k Ω . Manual override available.
Frequency Range	30Hz to 6,000Hz
Reference Voltage	High-precision
Measurement Rate	~2Hz
Precision	0.05Hz to 0.25Hz
Reading Frequency	1 minute to 1 per day
ADC precision	12-bit
Barometer	Internal
Excitation Methods	Auto Scan Capability Programmable high voltage excitation Programmable frequency sweep Intelligent frequency sweep
Signal Quality Evaluation	Sampling data quality evaluation algorithm Signal amplitude detection Signal quality evaluation
Temperature Detection	DS18B20 core temperature detection Internal NTC in sensor Voltage

Technical Data (con't.)

RS-485/RS-422 Module Specifications

Channels	Up to 64 addressable RS485 devices
Modes	Supports Half Duplex, Full Duplex RS485 comms and Profi-Bus

Pulse Module Specifications

Channels	4 Digital Inputs
Interface	0-5V digital signal with 1Khz low-pass filter

Analog Module Specifications

Channels	4 single-ended or 2 differential
Range	0 to 5V
Sample Rate	up to 200kHz

Relay Output Module Specifications

Channels	4 Channels with common 5V or ground 3 Channels with user-defined common
Electrical Limits	40V at 2A (AC or DC), each channel
Command Protocol	MQTT via gateway device
Command Features	Switch individual channels on and off Pulse individual channels for a specified duration and duty cycle

Physical Specifications

Enclosure	Aluminum, IP67 with optional metal caps
Dimensions	6.0in. x 1.6in. x 3.9in. (135mm x 40mm x 34mm)
Weight	5oz. (140g)
Mounting	35mm DIN Bracket
Connectors	5/8" (M16) Cable Gland 4-pin LEMO (In & Out Daisy Chain Ports) 7 conductor terminal block
Operating Temperature	-40°F to +185°F (-40°C to +85°C)

General Specifications

Data Storage	512Mb microSD Card (optional)
External Power	Provided by gateway device
Clock	Real-Time Clock, synchronized to gateway
Data Output Format	CSV, JSON (Configurable Format)
Firmware Updates	Remote over-the-air programming (OTAP)
Device Management	Cloud, USB terminal

Specifications are subject to change without notice or obligation.



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