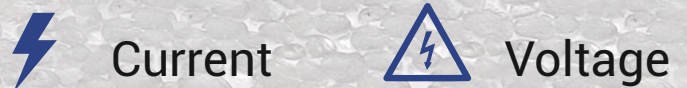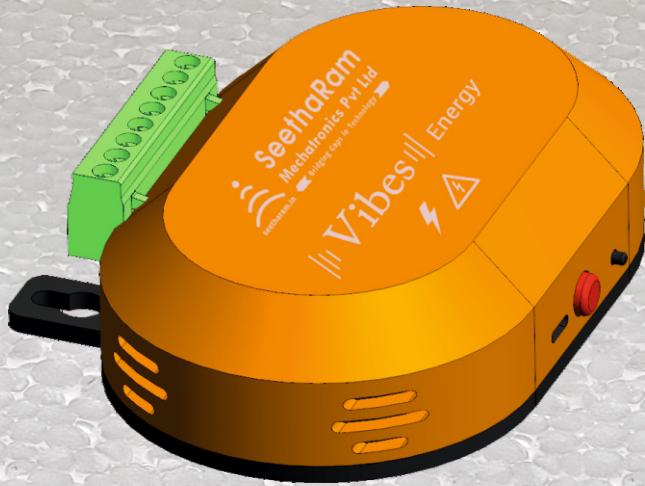# ‖‖Vibes‖‖ Energy

⚡ Current   ⚠ Voltage

DESCRIPTION

Vibes Energy can be used to measure current in 3 channel 1phase or 1 channel 3phase four-wire (Y or Δ) systems. Current is sampled over Current Transformer (CT) or Rogowski coil (di/dt coil). Measurement abide by Poly-phase energy meters of class 0.2S, 0.5S and class 1 which are used in three-phase four-wire (3P4W). It is used for High-Performance Wide-Span Energy Metering.
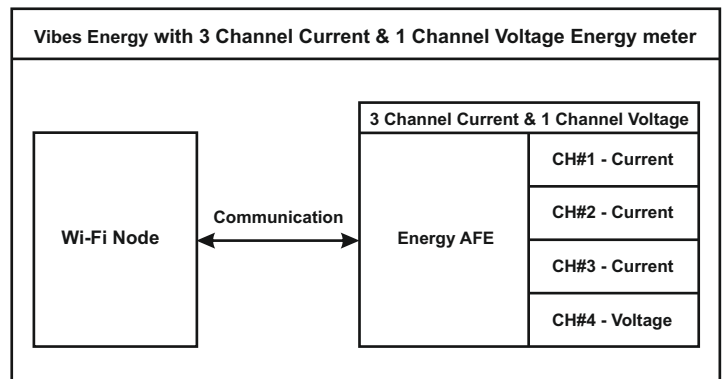
FEATURES

- Make your building and plant energy consumption more transparent
- Optimize overall consumption
- Prevent critical system status
- Standard-compliant energy management
- Digitally supported electrical power distribution
- Analyze energy consumption
- Create load profile
- Identify peak loads

Firmware

- Read analog signal and convert to a digital value.
- Transmit the value wirelessly to a HTTPS endpoint.
- Firmware can be updated for Azure /AWS/MQQT/HTTP Endpoints

Power

- Support Industrial Grade Power Supply and Normal Power Supply.
- Support for US, Europe and Asia regions (100V to 250V).

Vibes Energy with 3 Channel Current & 1 Channel Voltage Energy meter

Wi-Fi Node	← Communication →	Energy AFE	3 Channel Current & 1 Channel Voltage
			CH#1 - Current
			CH#2 - Current
			CH#3 - Current
			CH#4 - Voltage

TECHNICAL SPECIFICATION

Vibes Energy	
Power supply	230 V AC
Current consumption	250 mA (Approx.)
Processor	32-bit 144 MHZ ARM Cortex M4F processor
Connectivity	Wi-Fi
Antenna	Internal antenna with 2.5 DBI max gain
Operating temperature	-40°C ~ +85°C
Ingress Protection	IP 54

Interfaces

- 4 input channels.
- Auto cut-off for input exceeding the range.

Wireless Communication

- Configurable externally to specify the wireless network to be connected.
- Support wireless networks requiring both username and password.

Operating Environment Temperature upto 85 °C

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Connect   **Monitor**   **Control**