

TITAN

T-VT-(WS/WF/CN)

TECHNICAL SPECIFICATIONS

Electrical

- AC Supply voltage: 100 VAC ~ 240 VAC 50 / 60 Hz.
- Consumption: Max 3.0 W.
- Operating temperature 10 ~ 65 °C.
- Supply voltage in DC: 24 VDC (optional).
- Supply voltage in DC Solar cell: 5VDC 10 W and 20 W. (optional).

Processor

- 32-bit DUAL CORE XTENSA® LX6.
- Clock speed: Between 160 MHz and 240 MHz.
- 520 kB SRAM memory.
- 4 MB FLASH memory.

Case

- Dimensions: 148 x 150 x 83 mm
- Certification: NOM
- Material: ABS Polymer
- Protection: IP66
- Storage Temperature: -20 ~ 80 °C
- Operating Humidity: 5 ~ 90% HR

Optional Connectivity

- Model T-TV-WS:
 - Sigfox : RCZ2 902 MHz.
 - Sigfox : RCZ4 920 MHz.
 - Sigfox : RCZ1 868 MHz.
- Model T-TV-WF:
 - Wi-fi: 2.4 GHz b/g/n.
- Model T-TV-CN:
 - GSM: 3 G - 3.5 G (Multicarrier).
- Model T-VT-LW:
 - LoraWan 868 MHz.
 - LoraWan 915 MHz.

Output Voltages

- 5 VDC - 500 mA.
- 24 VDC - 80 mA.



Inputs / Variables

- Vibration sensor:
 - Temperature (° C - ° F).
 - Z axis RMS speed (mm / sec).
 - Z axis peak speed (mm / sec).
 - X axis RMS speed (mm / sec).
 - X axis peak speed (mm / sec).
 - Z axis RMS acceleration (G).
 - Z axis peak acceleration (G).
 - X axis RMS acceleration (G).
 - X axis peak acceleration (G).
 - Z axis speed frequency (Hz).
 - X axis speed frequency (Hz).
 - Configuration via wifi interface.
- 1 female 5 pin standard M12 connector
Sensor connection
- 1 M16 IP66 connector gland
1 Gland for voltage supply

Indicator LED's

- 1 LED for Power (PWR) - Green
- 1 LED for Operation (RUN) - Red
- 1 LED for Communication (COM) - Red
- 1 WiFi LED (WIFI) - Red.
- 1 LED for Voltage Supply (AC) - Red

TITAN | T-VT-WS is a specialized device for wireless monitoring of variables such as:

- Temperature (° C and ° F): in electrical machines, such as pumps, motors, etc.
- Vibrations (speed, acceleration, frequency).
- Among others.