

RH712 Vibration Analyzer

New Feature Technology Analyzer



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- Integrated Infrared Temperature detector
- UHF RFID radio frequency identification navigation function
- Multiple communication methods: WIFI, USB
- Integrated Camera and, Flashlight
- With GPS function (optional)
- Exib IIC T4 for Explosion Proof Area (Optional)

RH712 Vibration Analyzer

RH712 is an upgrade version of RH711, designed for machine condition inspection and fault diagnosis. It is an ideal instrument for periodical machine condition monitoring, suitable for professional route inspection and Capable of time waveform and spectrum analysis

Items	Remarks
Channel	CH1: Vibration (ICP sensor) 、 Voltage ($\pm 5V$ AC)
Collection Parameter	Analysis Frequency: 100Hz、 200Hz、 500Hz、 1KHz、 2KHz、 5KHz、 10KHz Sampling Rate: Maximal25.6KHz Signal Type: acceleration, velocity, displacement and voltage A/D conversion: 24bit Harmonic Distortion: <-70dB Precision: $\pm 2\%$ Sampling Configuration: sampling rate, low pass filter, high pass filter and sampling length Waveform Length: 1024、 2048、 4096、 8192 Spectrum Lines: 400、 800、 1600 Averaging: linearity, peak hold Window Type: Rectangle, Hanning
Internal infrared temperature detector	Temperature range: $-30 \sim 420$ ($^{\circ}C$) Precision: $\pm 1\%$ or $\pm 1.5^{\circ}C$ Maximal Emission rate: 0 ~ 1 adjustable, Distance coefficient: 25: 1
Dimension	Length×Width×Height: 195×80 ×37 (mm) Grip size (W×H) : 68×31 (mm)
LCD Display	3.5inch, 640×480pixels, IPS TFT, capacitive touch screen
Weight	500g
Vibration sensor	2 types: external IEPE accelerometer; wireless vibration sensor (optional)
Speed sensor	External tachometer or balancing (optional)
Keyboard	21keys 2million times lifespan, with backlight
Working Environment	Temperature: $-20 \sim 55^{\circ}C$ Humidity: < 95% (without condensate) Protection Grade: IP65, dust proof, water proof, 2m anti-dropping
Communication Method	USB2.0 (High speed) WiFi (IEEE 802.11 b/g/n 2.4GHz 50m line of sight)
Storage	Flash memory 1GByte, Optional 8Gbyte
Storage Extension	micro SD card extension, maximal support 32Gbyte
RFID	UHF 865M RFID Detection distance: 20CM
Camera	5million pixels camera, automatic focusing
Flashlight	Flashlight function suitable for dark place
Inspector positioning	GPS (optional)
Battery	Option 1: Rechargeable 3600mAh explosion proof battery, 3.7V, support with shipping certificate; Option 2: Rechargeable 5000mAh, standard battery, 3.7V
Charging Time	Standard battery 4.5hours; explosion proof battery 2.5hours
Working Time	Standard battery >10 hours, explosion proof battery >8 hours
Ex version	Exib IIC T4 (Optional)