

Prognosis Monitoring System (PMS) Screen



The Pro-9000P is a portable instrument for machine vibration measurements, Analysis and diagnosis.

3-in-1 function is a breakthrough change in the field of vibration measurement.

Directly query the RMS amplitude (time domain) or FFT vibration energy distribution (frequency domain) signal of the device on tablet.

Plug and Play, use magnetic sensor and xDAQ-600 (built-in Wi-Fi) powered by mobile power, connect smart tablet, no IP setting, wiring-free ...

The measurement data is automatically stored in the vibration data management database.

It records the vibration data of all devices, protects the machine health, greatly improves the efficiency of vibration measurement operations, and saves huge maintenance costs.

TECO Group

TECOM CO., Ltd.

Add : 23, R&D Road 2 SBIP HsinChu Taiwan

TEL : +886 3 5775141

Mail : sales@tecom.com.tw

Taipei Office

Add : 6F, No. 19-8, SanChong Rd., Nankang Dist Taipei City, Taiwan

TEL : +886 2 26551000

TECO Group
TECOM CO., Ltd.

Pro-9000P All Smart Portable Vibration Diagnosis Instrument

Ultimate Vibration Diagnosis Instrument



TECO Group 「Pro-9000P Portable Vibration Diagnosis Instrument」 can be applied in analysis/diagnostic of vibration problems for rotary machines. Setup is quick and easy. Technician go thru simple steps with diagnostic software (PMS) running on tablet to understand potential vibration issues.

It is an essential tool for technicians working in technical support, maintenance, repair and related fields.

Key Features

Time-domain frequency is available

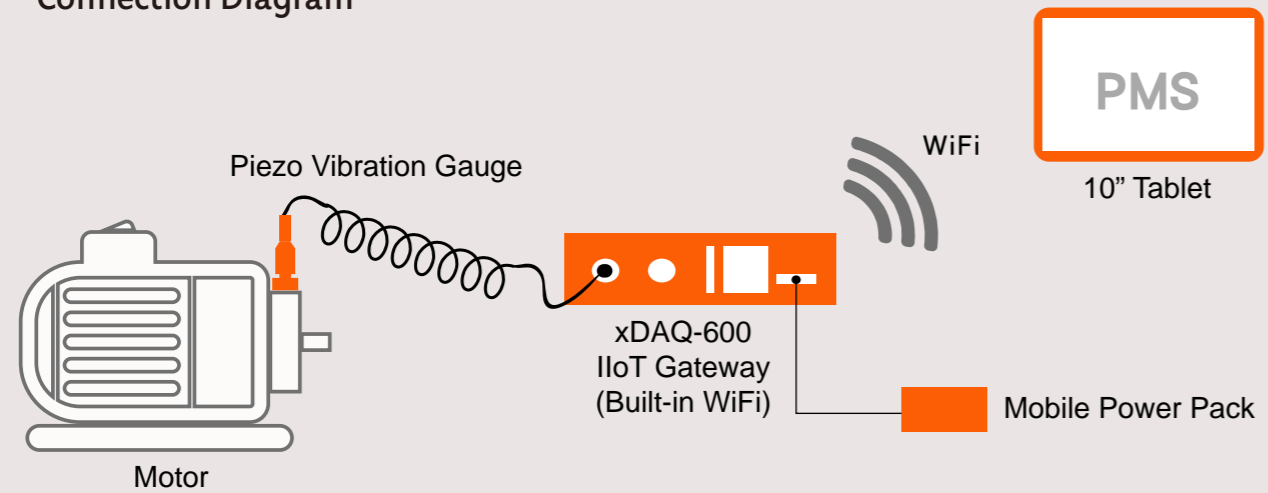
The gateway provides vibration RAW data, and can be interpreted by PMS software as vibration signals in the time and frequency domains. You can do "time-domain frequency click" on the tablet.

Portable Vibration Diagnosis Instrument

Key Components



Connection Diagram



Connect the piezoelectric vibration gauge and mobile power to the gateway, and then you can use it.

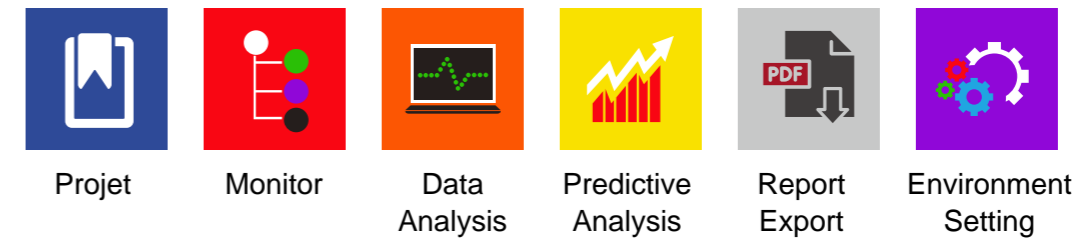
xDAQ-600 IIoT Gateway

In addition to DAQ functions, Pro-9000P package also includes an IIoT Gateway that features FFT (Fast Fourier Transformation), vibration analysis and diagnostic.

IEPE Piezo Vibration Gauge

Tecom Piezo vibration gauge (IEPE) features wide frequency range. It works with 3rd party DAQ or Tecom xDAQ-600 in high precision vibration analysis/diagnostic. A must-have tool for equipment maintenance and repair.

10" Tablet (with PMS system)



Prognosis Monitoring System (PMS)

Provide following functions

Project : Create data for measuring equipment

Monitor : Real-time data capture, health analysis, diagnosis

Data Analysis : Load historical raw data for data diagnostic analysis

Predictive Analysis : Predictive analysis through database data and algorithms

Report Export : Chart trend analysis from database data

Environment Setting : DAQ, channel, database, file, system setting

Judgment every minute, the results are presented numerically, the higher score means the higher probability that the problem will occur.

17 Troubleshooting Items

Shaft Type	Bearing Type	Electrical Type	Gear Type
Unbalance	Oil whirl	Air Gap Eccentricity	Gear Eccentricity
Shaft Bent	Oil whip	Broken Rotor Bar	Gear Misalignment
Misalignment	Inner race damage	Phasing Fault	Broken Gear Tooth
Looseness	Outer race damage		Gear Tooth Wear
	Roller damage		Gear Shaft Bent