

Pro-9000P Quick Installation Guide

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.

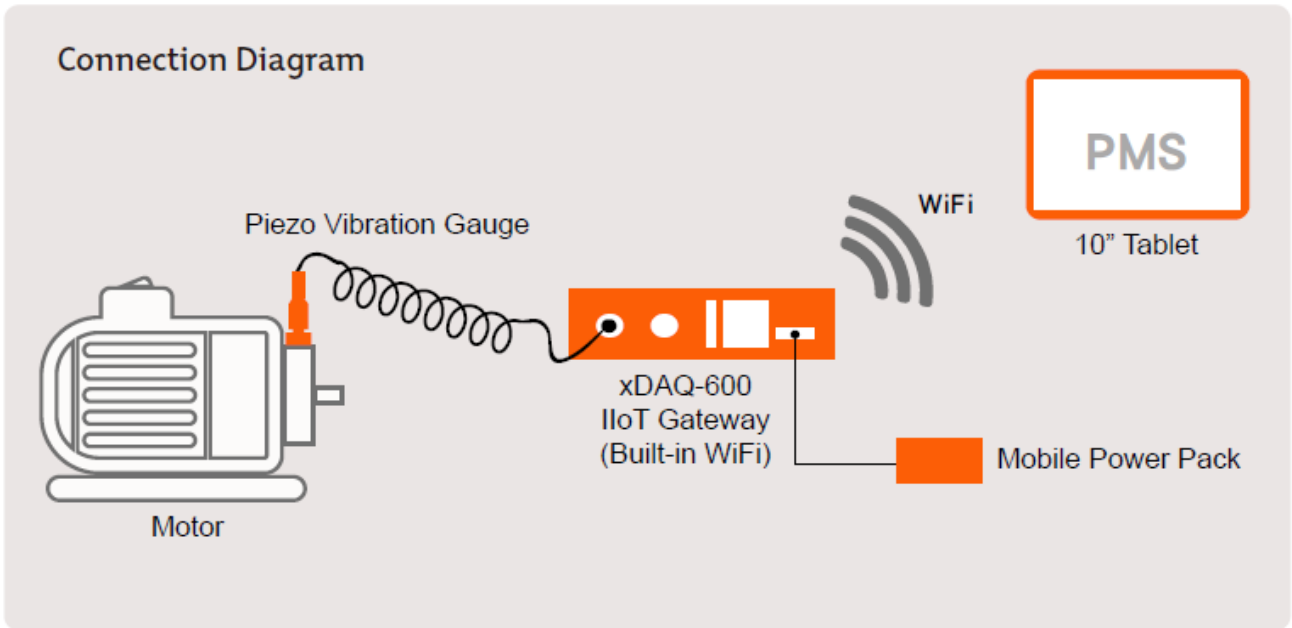
Key Components



Product contents

a. Tool Box :	x1
– Tablet(Windows w/keypro)	x1
– xDAQ-600	x1
– IEPE Vibration Gauge	x1
– Double head screw	x1
– Magnet holder	x1
– Winding line	x1
– Power Bank	x1
– Vibration Pole	x1
– Power Charger	x1

b. Action package	
(soft case 3 pieces)	x1
C. Power Charger	
(for Tablet)	x1



Quick Settings and Connection

1. Connect the power bank to the power jack (DC) of the Smart IoT Gateway xDAQ-600, and then turn on the power bank, [the default password of the tablet is 「demo」](#).
2. After the WAN LED (orange) to turn on and wait for around 30 seconds, then you can search WiFi AP and start the WiFi connection.
3. On Smart mobile phone, Please enter **【WiFi】** mode to find **【TECOM_XXXXXX】** WiFi network name, then confirm "XXXXXX" 6-digits are exactly the same as the last 6-digits of MAC address, printed on the serial number label of the Smart IoT Gateway, press the "TECOM_XXXXXX" for network connection, the Smart phone will show **“Connected”** to indicate a successful WiFi connection between the Smart phone and the Gateway. You only need to do this procedure once. Later, your phone can automatically connect to the Gateway.



This 6-digit number must be the same as the **TECOM XXXXXX** 6-digit number on the mobile WiFi network.

4. Install the magnetic vibration gauge (or w/vibration pole) to the correct position of the device under test.

After completion of steps 1 to 4, you can start the diagnostic procedure by using PMS software on tablet.

Illustration: After opening the toolbox, perform the following steps

1. Connect the mobile power supply to on the gateway and wait for about 30 seconds for the gateway to start.



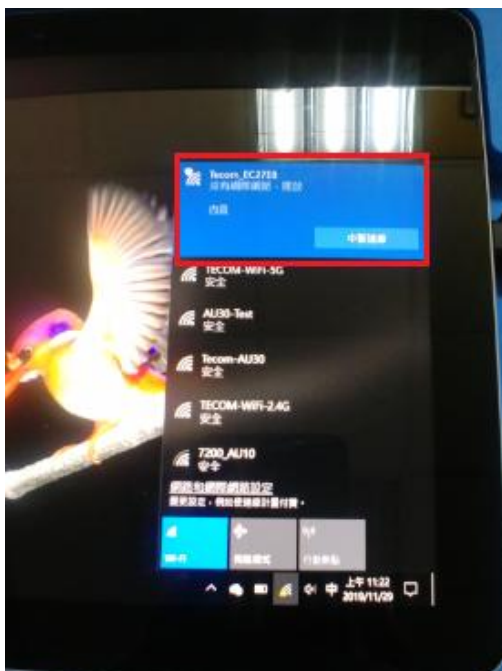
2. Insert keypro into Type C interface Turn



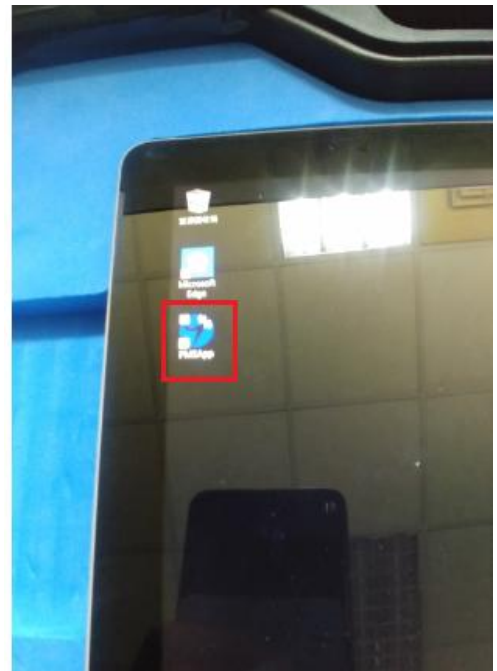
3. Turn on the power on the tablet



4. Find xDAQ-600 Wi-Fi SSID and connect.



5. Select PMS APP to open



Prognosis Monitoring System (PMS)

Provide following functions

Projet : 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

<i>Shaft Type</i>	<i>Bearing Type</i>	<i>Electrical Type</i>	<i>Gear Type</i>
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