Pro-9900 Quick Installation Guide

TECO Group 「Pro-9900 Portable Vibration Acceptance Instrument」can be applied in analysis & acceptance of vibration problems for rotary machines. Setup is quick and easy. Technicians just go thru simple steps with Pro-9900 Auto software 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

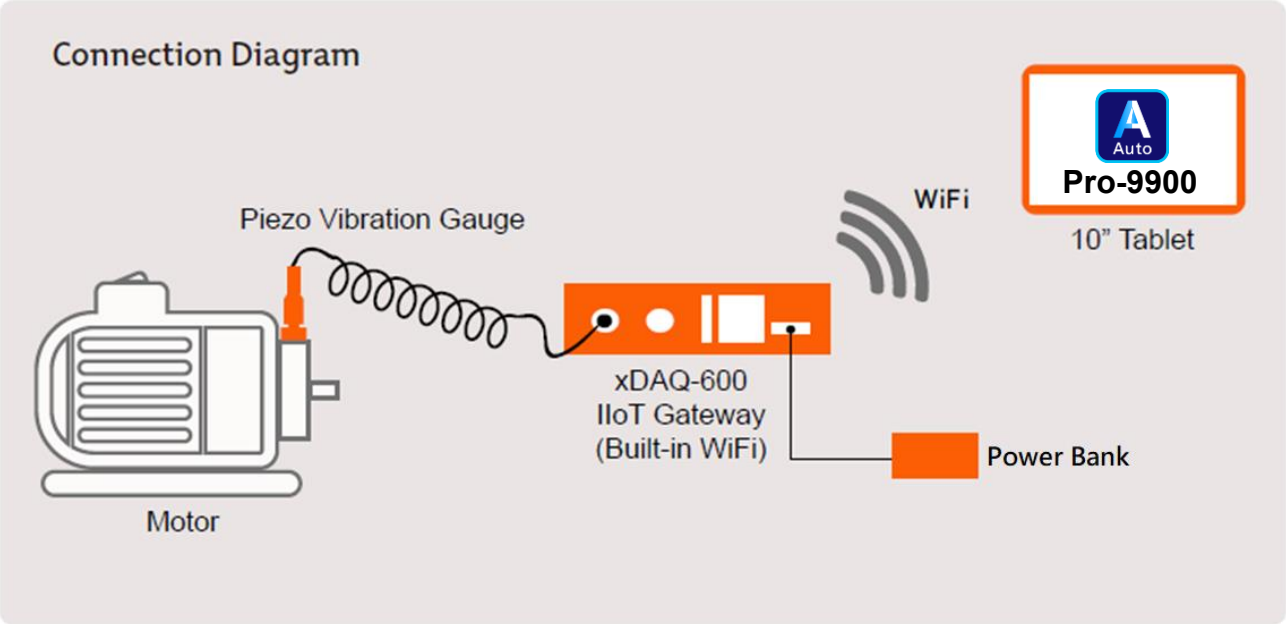
- xDAQ-600 x1
- IEPE Vibration Gauge x1
- Double head screw x1
- Magnet holder x1
- Winding line x1
- Power Bank x1
- Vibration Pole x1
- Power Bank x1

b. Tablet Pack x1

- Windows Tablet w/keypro x1

c. Action Pack (soft case 2 pieces) x1

d. 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) is on and wait for around 30 seconds. Then search Wi-Fi AP and start the Wi-Fi connection.
3. On the Tablet, please enter【**Wi-Fi**】mode to find 【TECOM_**XXXXXX**】 Wi-Fi SSID. 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. Select "TECOM_XXXXXX" for network connection. The Tablet will show **"Connected"** to indicate a successful Wi-Fi connection between the Tablet and the Gateway. This procedure only needs to be done once. The Tablet will automatically connect to the Gateway after on.

This 6-digit number must be the same as the TECOM_XXXXXX 6-digit number on the Tablet Wi-Fi network.

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

After the completion of steps 1 to 4, the Measure and Acceptance procedures by using Pro-9900 Auto software on Tablet is ready.

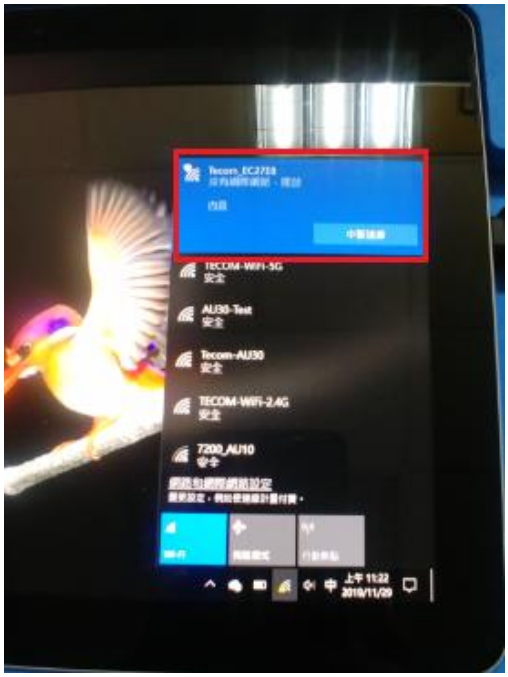
Illustration: After opening the toolbox, perform the following steps

1. Connect the Power Back to the the gateway and wait for about 30 seconds for the gateway to start.

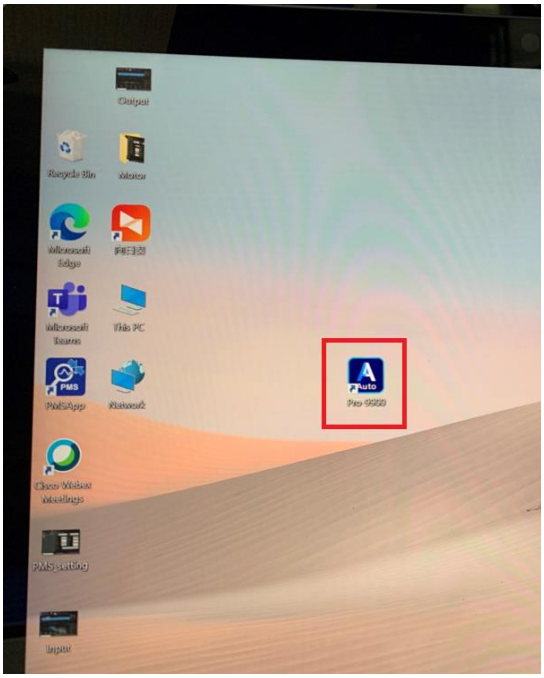
2. Insert keypro into Type C interface

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

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