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› LeTkingok QX-1201 Digital Manometer User Manual

LeTkingok QX-1201

LeTkingok QX-1201 Digital Manometer User Manual

Model: QX-1201 | Brand: LeTkingok

1. INTRODUCTION

The LeTkingok QX-1201 Digital Manometer is a professional instrument designed for precise measurement of air pressure in single-pipe systems or differential pressure between two pipes. It incorporates a high-accuracy pressure sensor, advanced Analog-to-Digital Converter (ADC), and a low-power consumption Microcontroller Unit (MCU). This device is suitable for ventilation and air conditioning systems, gas measurement, calibration, and troubleshooting various pressure systems. It also features indoor temperature measurement and data storage capabilities.

2. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1 x Digital Manometer
- 2 x Connection Tubes
- 1 x Adapter
- 1 x Guideline (User Manual)
- 1 x Carrying Bag



Image: Contents of the LeTkingok QX-1201 Digital Manometer package, including the manometer, two tubes, an adapter, a guideline, and a carrying bag.

3. PRODUCT OVERVIEW

The QX-1201 Digital Manometer features a robust design with an easy-to-read LCD display and intuitive controls.



Image: Front view of the LeTkingok QX-1201 Digital Manometer, showing the LCD screen and control buttons for UNITS, HOLD, DIF, MAX, and power.

3.1 Key Features

- **High Accuracy Sensor:** Utilizes a quality pressure sensor for precise measurements.
- **Multifunctional:** Offers temperature/pressure measurement, data storage, low battery reminder, data hold, max/min value mode, and differential (DIF) mode.
- **Adjustable Units:** Supports 12 pressure units (mmHg, inHg, ftH₂O, cmH₂O, inH₂O, Pa, KPa, mbar, bar, psi, Kgcm², ozin²).
- **Temperature Units:** Switchable between Celsius (°C) and Fahrenheit (°F).
- **Large Digital Display:** Ensures clear visibility of data.
- **Dual Channel Measurement:** Quickly measures real-time pressure value through a single channel and detects pressure differences through two channels.

3.2 Dimensions



Image: Side view of the LeTkingok QX-1201 Digital Manometer with dimensions: 164mm (height), 70mm (width), and 32mm (thickness).

3.3 Top View



Image: Top view of the LeTkingok QX-1201 Digital Manometer, highlighting the two pressure input ports.

3.4 Back View



Image: Back view of the LeTkingok QX-1201 Digital Manometer, showing the battery compartment cover and product information label.

4. SETUP

4.1 Battery Installation

The device requires one 9V 6F22 battery (not included). To install:

1. Locate the battery compartment on the back of the manometer.
2. Slide the battery cover open.
3. Insert a new 9V battery, ensuring correct polarity.
4. Close the battery cover securely.

4.2 Connecting Tubes

Connect the provided tubes to the pressure ports at the top of the manometer. Ensure a snug fit to prevent leaks.

Your browser does not support the video tag.

Video: Demonstrates connecting the plastic tubes to the manometer's pressure ports for measurement. This video shows the physical setup of the device.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **Power** button (red button with power symbol) to turn the device on or off.

5.2 Switching Pressure Units

The device supports 12 different pressure units. Press the **UNITS** button to cycle through the available units: mmHg, inHg, ftH₂O, cmH₂O, inH₂O, Pa, KPa, mbar, bar, psi, Kgcm², and ozin².

QX-1201

Unit	Range	Resolution	Unit	Range	Resolution
kPa	±20.68	0.001	inHg	±6.106	0.001
psi	±2.999	0.001	mmHg	±151.1	0.1
kgcm ²	±0.210	0.001	inH ₂ O	±83.02	0.01
ozin ²	±47.99	0.01	ftH ₂ O	±6.918	0.001
bar	±0.206	0.001	cmH ₂ O	±210.8	0.1
mbar	±206.8	0.1	Pa	±20680	1

Image: Table displaying various pressure units, their ranges, and resolutions supported by the QX-1201 manometer.

Your browser does not support the video tag.

Video: Demonstrates how to switch between different pressure units on the manometer's display using the UNIT button.

5.3 Switching Modes (Differential, Max/Min/Avg)

The device offers multiple measurement modes:

- Press the **DIF** button to enter differential pressure mode.
- Press the **MAX** button to view the maximum recorded pressure. Press again to cycle through minimum (MIN) and average (AVG) values.

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Video: Illustrates how to switch between different measurement modes, including differential pressure, maximum, minimum, and average readings.

5.4 Time/Date Setting

The device can display both time and date. Refer to the on-screen prompts or the full manual for specific button sequences to set or switch between time and date display.

5.5 Zero Calibration

To ensure accurate readings, perform zero calibration before each use or when ambient conditions change. Long press the designated button (often combined with TIME/DATE/ZERO) until "CAL 0" appears on the LCD to complete the calibration.

5.6 Hold Measurement

Press the **HOLD** button to freeze the current measurement on the display. Press it again to release and resume live readings.

5.7 Buzzer Alarm

The device may feature a buzzer alarm for certain conditions. Consult the full manual for details on enabling/disabling and configuring alarm thresholds.

5.8 Data Recording

The manometer can store up to 100 sets of data. Long press the **HOLD** button to start or stop data recording. Short press to view recorded data.

Your browser does not support the video tag.

Video: Shows the process of data recording and storage on the manometer, including how to start/stop recording and access stored data sets.

5.9 Backlight

The LCD display features a backlight for improved visibility in low-light conditions. Press the backlight button (often indicated by a lightbulb icon) to toggle it on or off.

6. SPECIFICATIONS

Feature	Specification
Material	ABS (Acrylonitrile Butadiene Styrene)
Display	LCD
Battery	1 * 6F22 battery, 9V, 250mAh (not included)
Pressure Measurement Range	±2.999psi

Accuracy	±0.3%FSO (at 25°C)
Data Storage Quantity	100
Max Pressure	20KPa
Temperature Units	°C/°F switchable
Lower Battery Reminder	≤6.8V
Automatic Close	15min after no operation
Working Temperature	0-50°C (32-132°F)
Storage Temperature	-10°C to 60°C (14-140°F)
Item Size	159x76x32MM
Item Weight	260G

7. TROUBLESHOOTING

If you encounter issues with your LeTkingok QX-1201 Digital Manometer, consider the following common troubleshooting steps:

- **No Power:** Ensure the 9V battery is correctly installed and has sufficient charge. Replace the battery if the low battery reminder is active or if the device does not power on.
- **Inaccurate Readings:** Perform a zero calibration as described in section 5.5. Check that the connection tubes are securely attached to the ports and there are no leaks in the system being measured.
- **Display Issues:** If the display is dim, check the battery level. If the display is blank or frozen, try turning the device off and on again.
- **Data Recording Failure:** Ensure there is sufficient memory for new data sets. If the memory is full, clear old data if possible (refer to the full manual for data management).

For persistent issues, please refer to the comprehensive user manual or contact customer support.

8. MAINTENANCE

To ensure the longevity and accuracy of your LeTkingok QX-1201 Digital Manometer, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the manometer in its carrying bag in a dry place, away from extreme temperatures and direct sunlight. Remove the battery if the device will not be used for an extended period to prevent leakage.
- **Tube Inspection:** Regularly inspect the connection tubes for any signs of wear, cracks, or blockages that could affect measurement accuracy. Replace them if necessary.
- **Calibration:** While the device is factory calibrated, periodic professional calibration may be required depending on usage and industry standards.

9. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating this device to prevent injury or

damage:

- Do not attempt to measure pressures exceeding the specified range (± 2.999 psi / 20KPa).
- Ensure all connections are secure before taking measurements to prevent gas leaks or inaccurate readings.
- Do not expose the device to water or high humidity.
- Keep the device away from strong electromagnetic fields.
- Only use the specified battery type.
- Do not disassemble or modify the device. Repairs should only be performed by qualified personnel.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact LeTkingok customer service through your purchase platform or the contact details provided in the original product packaging. Please retain your proof of purchase for warranty claims.

Protection plans are available for purchase separately:

- [2-Year Protection Plan](#)
- [3-Year Protection Plan](#)
- [Complete Protect: One plan covers all eligible past and future purchases](#)