



Measure with Confidence – Go Digital with Air Gauges

DIGITAL AIR GAUGE [SINGLE CHANNEL]

User Manual



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Product Description

The Digital Air Gauge is an advanced measurement device designed for accurate and efficient monitoring of air pressure. This versatile tool is equipped with user-friendly controls, a bright display, and connectivity options, making it ideal for industrial applications. With six dedicated buttons (UP, DOWN, LSM, HSM, SET, BACK) and three primary functionalities (Measure, Display, and Communication), the air gauge ensures precision and ease of use.

Operating Instructions

Step 1: Measuring Air Pressure

1. Press and hold both the **SET** and **BACK** buttons simultaneously.
2. Select **Measure** from the menu.
3. Choose a **PROGRAM** (1 to 5) as per your requirement.
4. Specify the following parameters:
 - **TYPE:** Select either **ID** (Internal Diameter) or **OD** (Outer Diameter).
 - **ABSOLUTE VALUE:** Enter the desired value.
 - **UPPER LIMIT:** Define the upper acceptable limit.
 - **LOWER LIMIT:** Define the lower acceptable limit.
 - **HOLD TIME:** Set 1sec the duration for which the measurement should be held.
5. Confirm your entries by selecting **SAVE** (choose **YES** or **NO**).
6. Provide additional measurements using the **LSM** (Low Side Measure) and **HSM** (High Side Measure) buttons as needed.

Step 2: Adjusting Display Settings

1. Press and hold both the **SET** and **BACK** buttons simultaneously.
2. Use the **UP** button to navigate to the **Display** option.
3. Press the **SET** button to select **Display**.
4. Adjust the brightness level of the display to your preference.

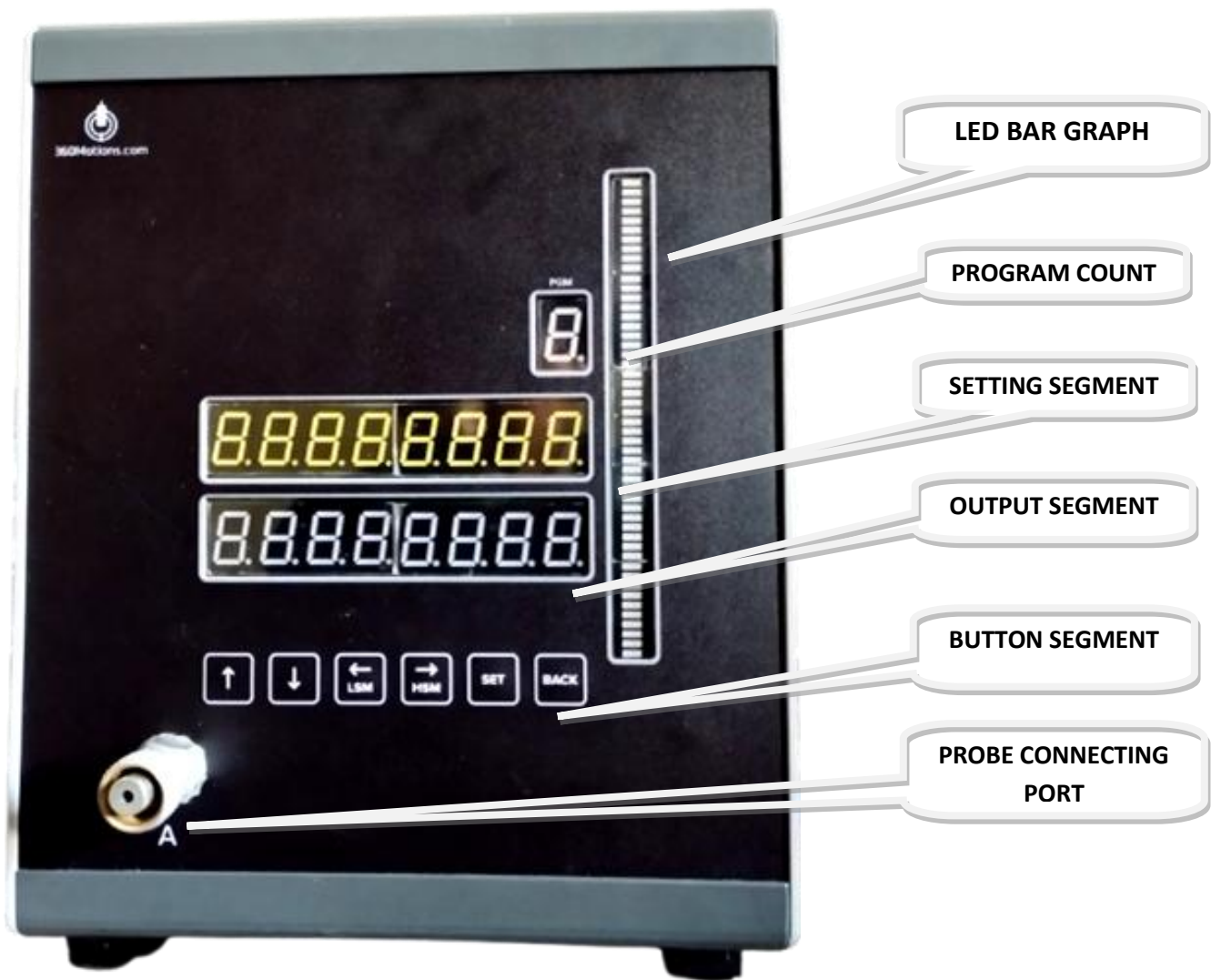
Step 3: Communication (Comm) Function

The air gauge allows wireless connectivity to your device (mobile or laptop) and can be used offline. Simply connect to the Wi-Fi network provided by the air gauge, where you can configure settings, input measurements, and generate reports. These reports can then be printed as needed.

Functions and Features

- LED Bar Graph
- Program Counter
- Setting Segment
- Ourput Segment
- Push Buttons

Front Panel Layout



Display Features:

- The device features seven-segment displays with adjustable brightness.
- **8-character white display** for primary readings.
- **8-character green display** for secondary information.
- **One green seven-segment display** for indicating the selected program (1-5).
- **10-segment LED bar graph** with red, yellow, and green indicators for visual representation of measurements.

Push Buttons:

- **UP:** Navigate up in menus.
- **DOWN:** Navigate down in menus.
- **LSM:** Low Side Measure button.
- **HSM:** High Side Measure button.
- **SET:** Confirm selections.
- **BACK:** Return to the previous menu.

Back Panel Layout



- **DB9 Connector:** Used for communication with external devices.
- **Power Plug with Fuse:** Provides power to the device and includes a safety fuse.

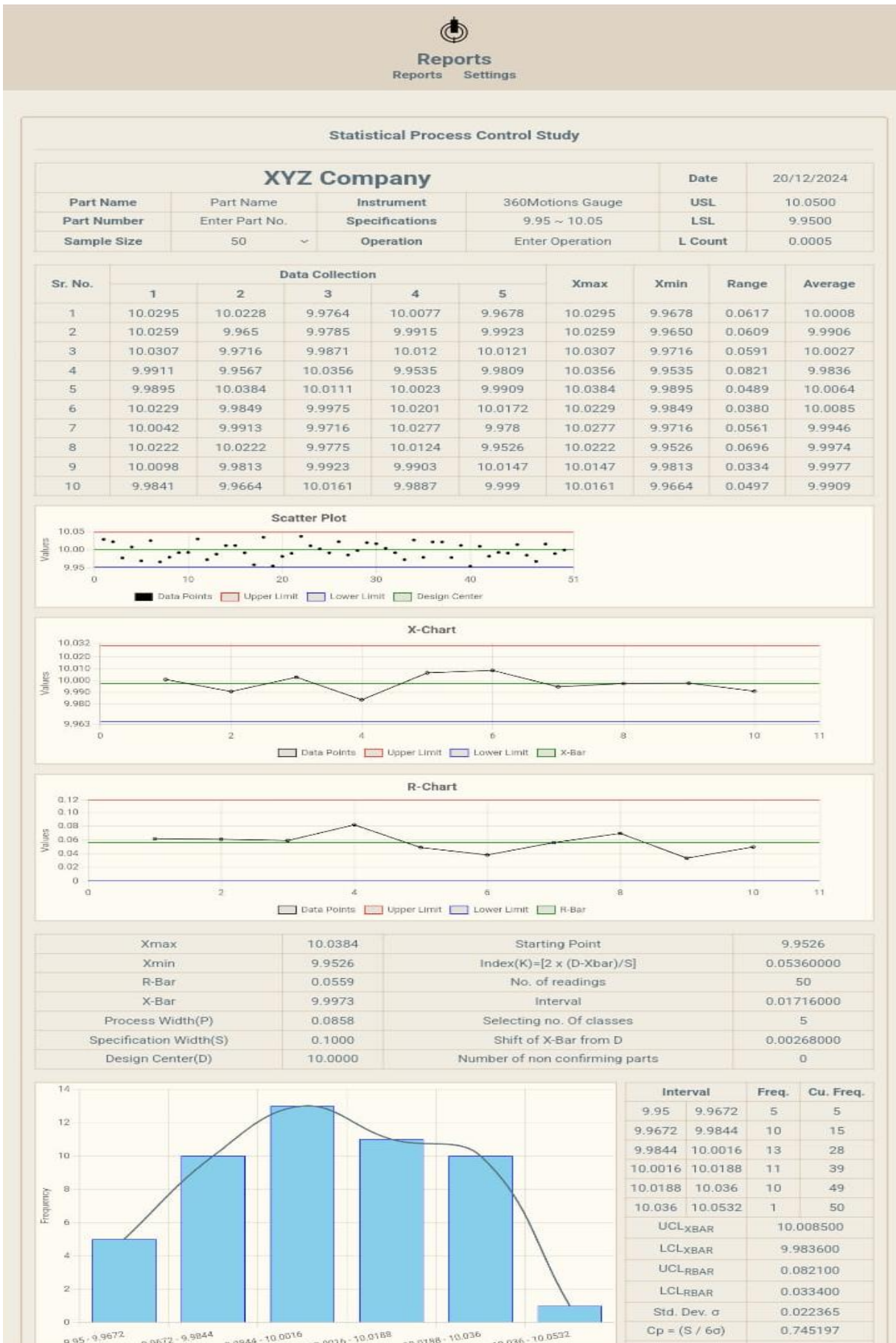
Maintenance and Troubleshooting

- The Device does not contain any **user-serviceable** parts.
- If any air leakage issues from one touch connector replace input tube to solve the problem.
- **Calibration:** Ensure the air gauge is properly calibrated before use.
- **Power Issues:** Check the power connection and ensure the fuse is not blown.
- **Display Not Functioning:** Adjust brightness settings or check for power supply issues.
- **Communication Failure:** Verify the DB9 connection and check for compatibility with the connected device.
- **Button Malfunction:** Clean the buttons and ensure no debris is obstructing them.
- **For additional assistance, contact customer support.**

Technical Specifications

- **Measurement Range:**
- **Accuracy:** 0.001mm
- **Power Supply:** 230V 1A
- **Connectivity:** WIFI or DB9 Connector
- **Fuse Rating:** 1A

Results





Air Gauge Settings

Reports Settings

Measurement Settings

1

2

3

4

5

Measurement Type:

ID

Absolute Value:

10.0000

Lower Limit:

9.9500

Upper Limit:

10.0500

High Side Master:

10.0300

Low Side Master:

10.0000

Save

Communication Settings

RS232 Baud Rate:

115200

Data:

- All
 OK
 Off

Data Interval (ms):

100

Device WiFi SSID:

360M_E6B4

Device WiFi Password:

12345678

Save

Display Settings

Least Count:

Diff/Reading:

Reading

Difference

Bargraph Settings:

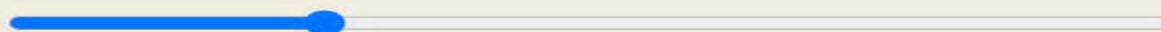
Bar

Dash

Pass Fail

Off

Brightness:



Save

Cloud Settings

API Key:

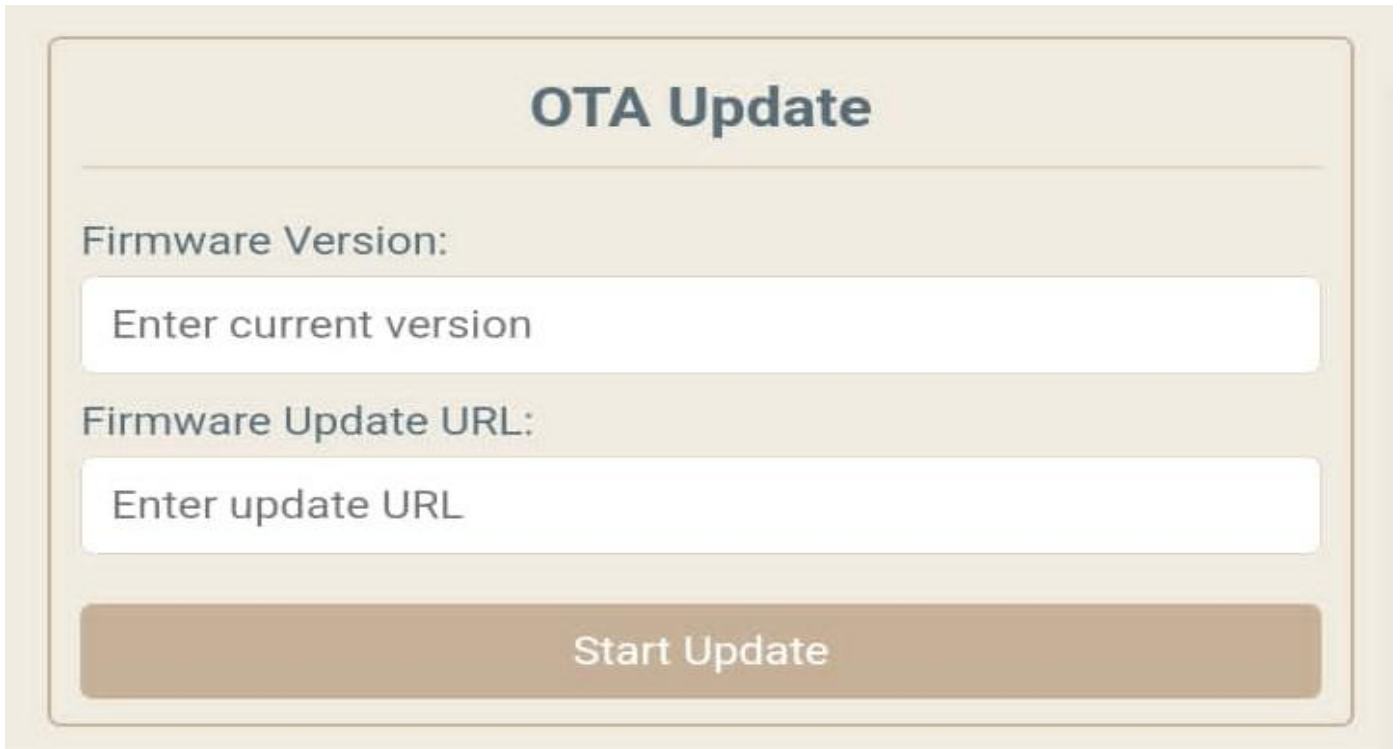
Device ID:

Cloud Link: ⓘ

WiFi Router SSID:

WiFi Router Password:

Save



The image shows a web interface for an OTA update. It has a title 'OTA Update' at the top. Below the title, there are two input fields. The first is labeled 'Firmware Version:' and contains the placeholder text 'Enter current version'. The second is labeled 'Firmware Update URL:' and contains the placeholder text 'Enter update URL'. At the bottom of the form is a large, dark brown button with the text 'Start Update' in white.

Warranty and Disclaimer

- This device is covered under a limited 3Yrs.warranty for manufacturing defects.
- An electrical component comes under 6months replacement guarantee.
- The manufacturer is not responsible for damages caused by improper use or modifications.
- Ensure proper handling and follow the guidelines mentioned in this manual.
- If the Device requires service, contact your local sales representative.
- Do not open the Device. Opening the Device voids the warranty.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material



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