

DIGITAL PRESSURE GAUGE TX 430-1

OPERATING MANUAL



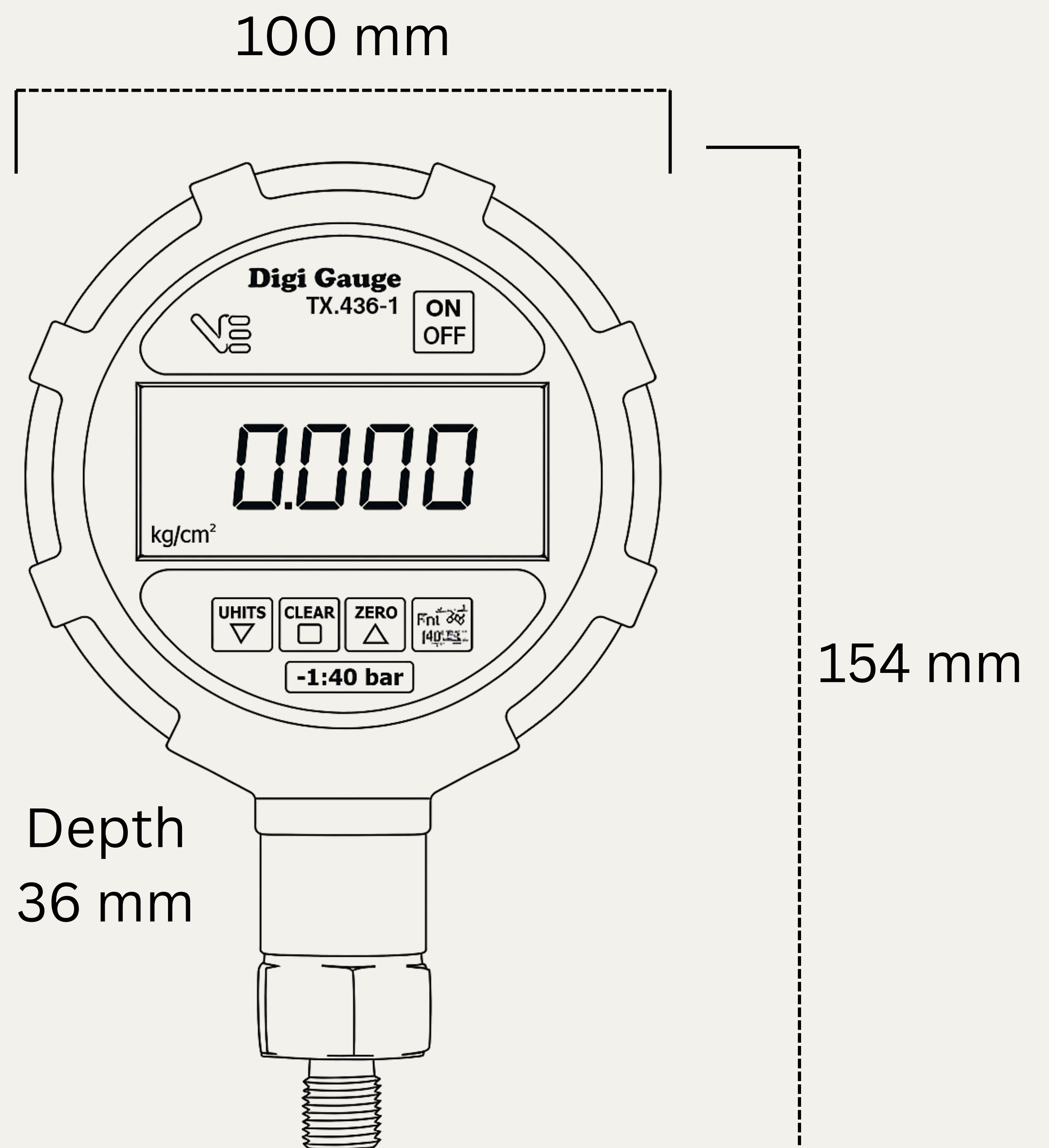
INTRODUCTION

Introducing our state-of-the-art digital pressure gauge, engineered for unparalleled precision with an accuracy of 0.1% Full Scale (FS). Designed for reliability and consistency, this gauge ensures accurate pressure readings, making it the perfect tool for professionals who require the highest standards in measurement performance.

SPECIFICATIONS

Accuracy	0.1% Full Scale (FS) up to 1000 bar
Display	15 mm x 5 Full Digits 7 segment customized LCD (LO BAT and Min&Max)
Pressure Units	kg/cm2, bar, psi, Pa, kPa, mmHg, mmWc/mmH2O, inHg, inWc/inH2O, mbar
Pressure Media	Depends on Sensor used SS304 for 2 bar and above Dry Air only for low pressure applications
Process Connection	1/4 “ BSP
Power	Battery Operated (5 x AAA batteries, Sony LR03 or equivalent)
Battery Life	Approx. 500 hours
Low Battery	Displayed at the end of battery life

INSTRUMENT DIMENSIONS



KEY FUNCTIONS

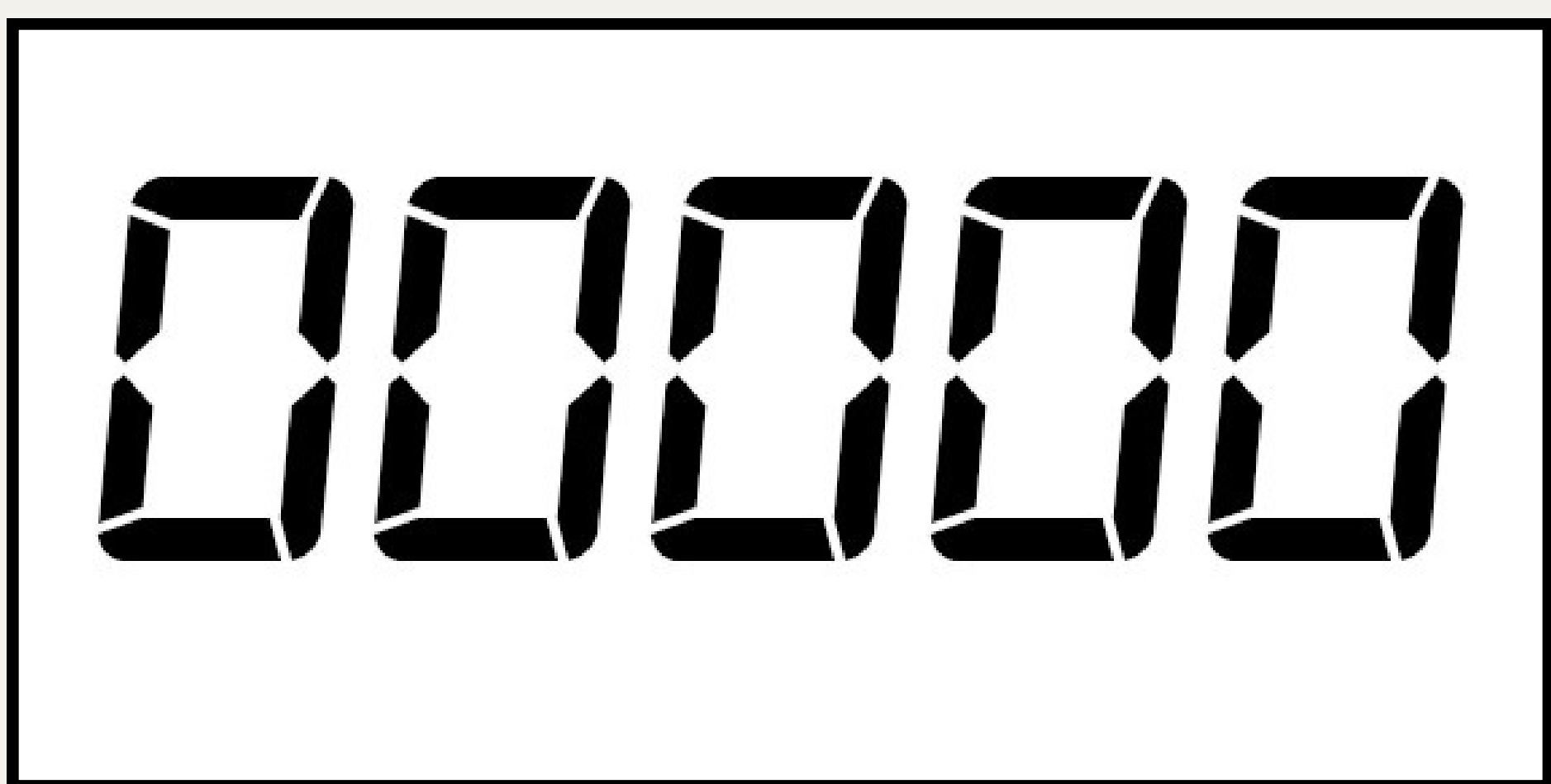


CALIBRATION PROCESS

This feature allows the customer to calibrate the TX 430-1 at their own facility if any deviation is observed during use. It is especially helpful for users who have the necessary equipment to perform the calibration themselves.

1. Enter Calibration Mode

- Switch on the gauge and immediately press the **FnS** key.
- The display will prompt for a password. The factory-set default is **00000**.

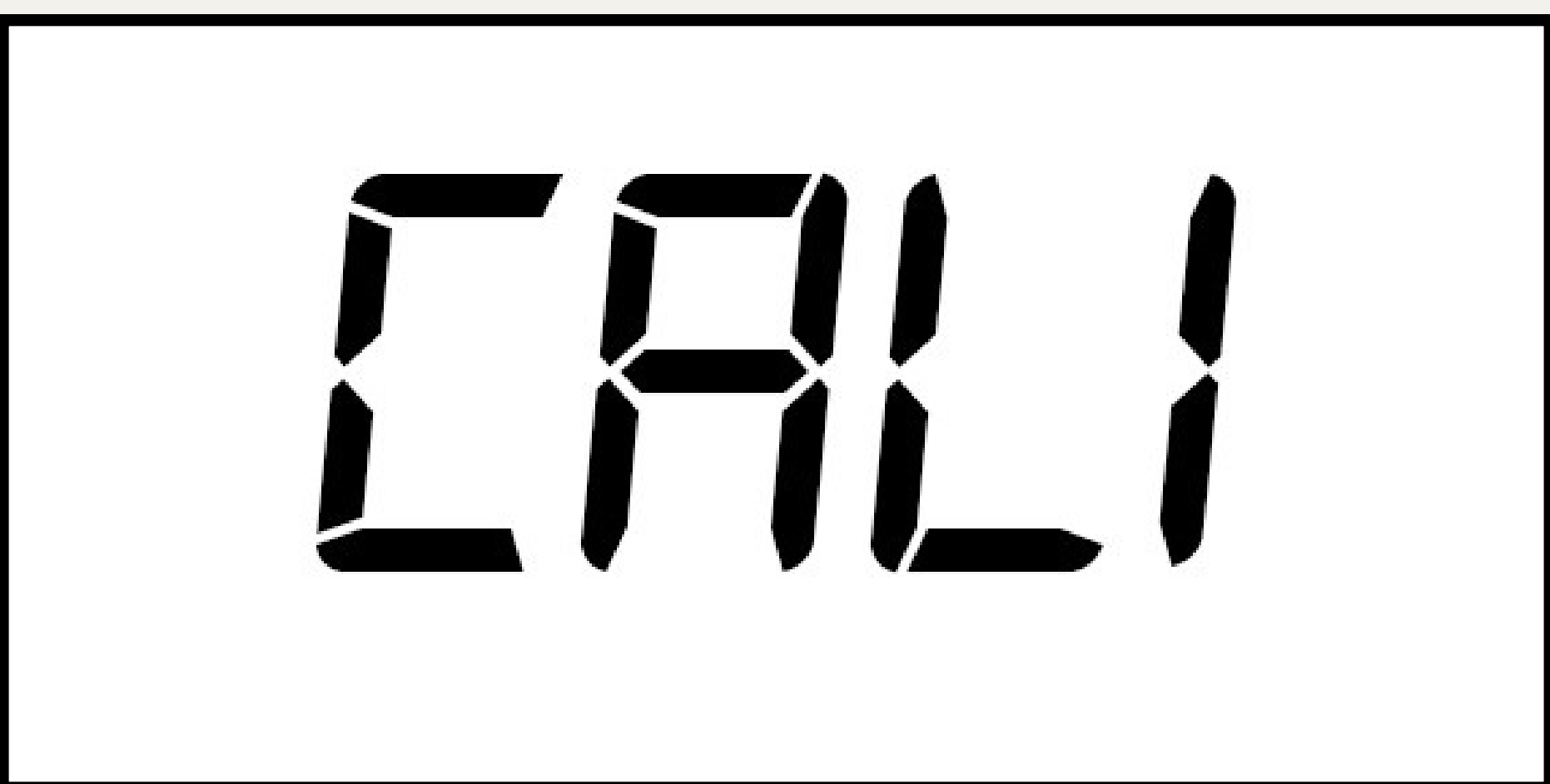


2. Enter Password

- If the password has not been changed, simply press Enter to proceed.
- If you have set a custom password, use the UNITS (Shift Right) and ZERO (Shift Up) keys to enter it, then press Enter.

3. Access Calibration Menu

- After entering the correct password, the screen will show CALI.
- Press Enter to enter calibration mode.



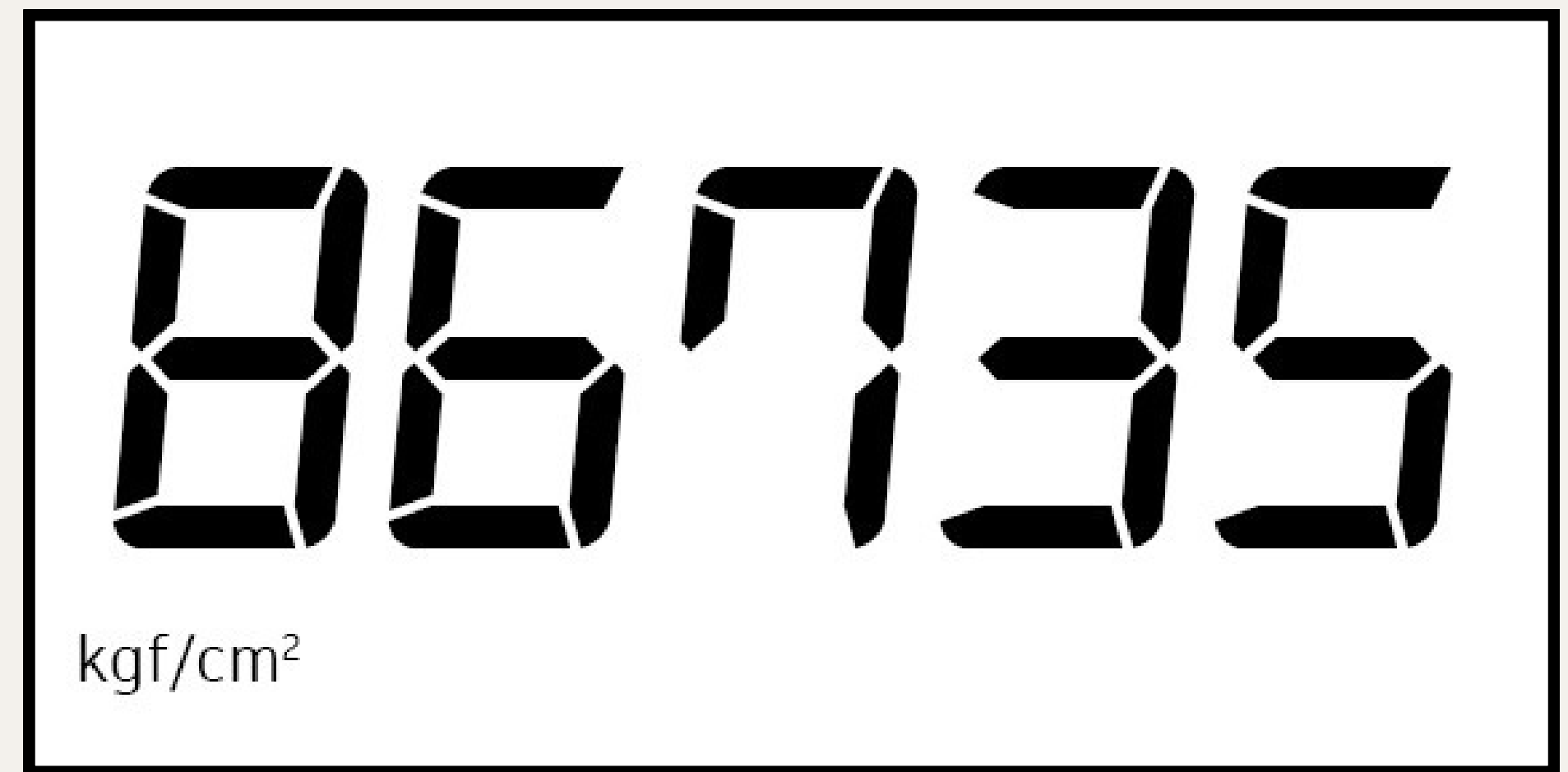
4. Apply Pressure Point

The display will now show the first target pressure (**in kg/cm²**) to be applied.

- Apply the shown pressure using your reference equipment.
- The gauge will display sensor counts that fluctuate.
- Wait until the counts stabilize, then press Enter to confirm the reading.



Pressure to be applied display



Counts display

5. Repeat for All Calibration Points

- The gauge will prompt you for a total of **8 calibration points**.
- Repeat Step 4 for each point, applying the pressure shown on the display and pressing Enter after stabilization.

6. Exit Calibration Mode

- After the final calibration point, press the **FnS** key to exit.
- Press FnS key again to return to the main pressure display screen.

CHANGE PASSWORD

1. Enter Password Mode

- Switch on the gauge and immediately press the FnS key.
- The password prompt will appear.

2. Enter Password

- If the password has not been changed, simply press Enter to proceed.
- If you have set a custom password, use the UNITS (Shift Right) and ZERO (Shift Up) keys to enter it, then press Enter.

3. Access Password Setting

- After successful login, the screen will display **CALI**.
- Press the ZERO (Up) key once to display **PASC**.
- Press Enter to select it..



4. Set New Password

- The screen will display **nEuPS**. Press Enter to proceed.
- Use the ZERO (Shift Up) and UNITS (Shift Right) keys to set your new 5-digit password.
- Press Enter to save the new password



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