

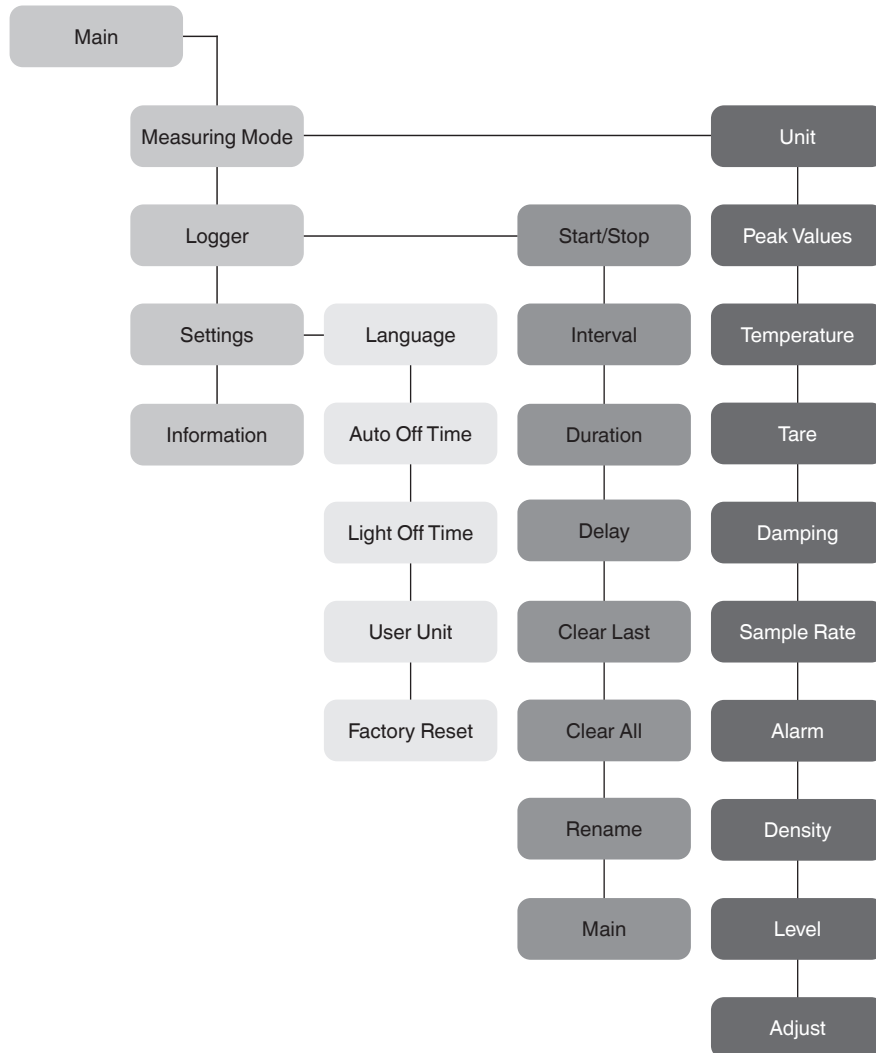


## PGE20 Series

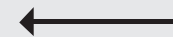
### General Purpose Digital Pressure Gauge



#### Menu Tree

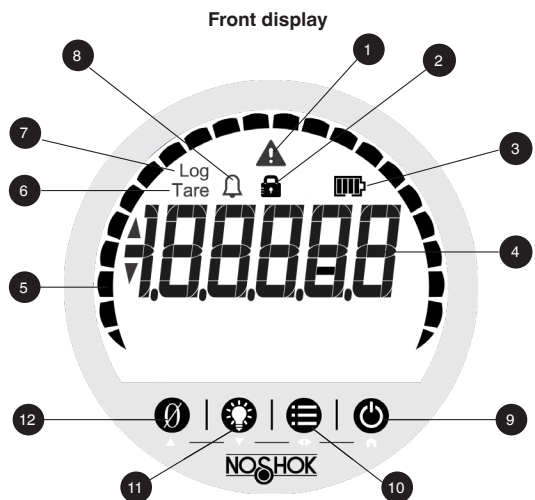


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User Manual



#### To get started:

1. Remove cover on back of gauge using a 2mm Allen key.
2. Insert the included three AA batteries.
3. Reinstall cover and push the On/Off or Home button to power on the gauge.



### Function buttons

The PGE20 is controlled via 4 function buttons, with each button having a main and a secondary function. In general, the information printed on the buttons corresponds to the main function:

#### ZERO, LIGHT MENU, ON/OFF.

Once the [MENU/◀▶] button is activated, the secondary function applies. These are, from left to right:

- Cursor up [UP/▲]
- Cursor down [DOWN/▼]
- Left/right cursor [L/◀] or [R/▶]
- [HOME]

**NOTE:** If you are in the MENU function and if there is no further input within 30 seconds, HOME is automatically executed. This does not apply when one is in the input mode for a number or a name.

Item	Symbol	The symbol is displayed on:
1		<ul style="list-style-type: none"> <li>■ Exceeding or dropping below the pressure range</li> <li>■ Exceeding or dropping below the temperature range</li> <li>■ Data logger memory is more than 90 % full</li> <li>■ Instrument defect or battery status &lt; 10 %</li> </ul>
2		<b>Lock symbol</b> It is locked, if the [ZERO/▲] or [MENU/◀▶] buttons have been locked via NOSHOK configuration and data logging software and must be pressed manually.
3	<b>Battery symbol</b> <ul style="list-style-type: none"> <li>■ The battery symbol is displayed only during battery operation.</li> <li>■ On connection of a USB power supply unit, no battery symbol is displayed.</li> </ul>	
		<b>Battery status 100 % ... 40 %</b> <ul style="list-style-type: none"> <li>■ Outline is displayed continuously</li> <li>■ One segment is displayed for each 20 %</li> </ul>
		<b>Battery status 20 %</b> <ul style="list-style-type: none"> <li>■ Outline is displayed continuously</li> <li>■ New batteries must be used</li> </ul>
4		<b>Pressure indication</b> The 4 1/2-digit 15-segment display always indicates the current pressure value.
5		<b>Bar graph indicates the current pressure graphically</b> The bar graph consists of 20 segments and two end points. It indicates the current pressure proportionally to the measuring range. (If the measuring range has been underrun, the front point lights up; with an overrun, the rear point lights up.)
6	<b>Tare</b>	<b>TARE function active</b> The display appears as soon as the TARE function is activated.
7	<b>Log</b>	<b>Data logger function active</b> The display appears as soon as the data logger function is activated.
8		<b>Alarm</b> Measured value has exceeded or dropped below the alarm limits.

Item	Button	
9		<b>On/Off or Home button</b> The main function is switching the PGE20 on and off. If the digital pressure gauge is already in menu mode, a short press on the [On/Off] button brings up "HOME". A long press (at least 2 seconds) switches the PGE20 off.
10		<b>MENU button</b> Calling up the menu by pressing the [MENU/◀▶] button. If the PGE20 is already in menu mode, the operation of "◀" or "▶" will depend on the display. If the button is pressed for longer, after 2 seconds the cursor switches (left ◀ or ▶ right). If the arrow is pointing to the left (◀), releasing the [MENU/◀▶] button immediately jumps back one menu level. Inputs are confirmed with the [MENU/◀▶] button.
11		<b>LIGHT button</b> Turning the backlighting on and off. By pressing the [LIGHT/▼] button (short press or long press), the light will be switched on. The duration of the light is dependent on "LIGHT OFF" in "Setting". <ul style="list-style-type: none"> <li>■ 1 x press of the [LIGHT/▼] button (Light = On)</li> <li>■ Pressing [LIGHT/▼] button again (Light = Off)</li> </ul> If the PGE20 is in menu mode, with a short press on the [LIGHT/▼] button, the cursor can be moved downwards.
12		<b>ZERO button</b> The current pressure value will be set to "0" (gauge) or reference pressure (abs.). By pressing the [ZERO/▲] button, the current pressure value is set to "0". A maximum of 5 % of the measuring span can be corrected. If the PGE20 is in menu mode, with a short press on the [ZERO/▲] button, the cursor can be moved upwards.
	<b>NOTE:</b>	For gauge pressure measuring instruments, in the range of ±5 % of the zero point, the measured value will be set to "0". With absolute pressure sensors, on pressing the [ZERO/▲] button, an input window appears. Here, the current reference pressure must be entered. The reference pressure must also be within ±5 % of the initial absolute pressure of the instrument, then the measured value will be set to the reference pressure entered.