

## OPERATING INSTRUCTIONS

### Digital Pressure Gauge 1700 kPa (for use with 26-1800 series Oil/Water Constant Pressure System)

**26-1820**

<p><b>ELE International</b> Chartmoor Road, Chartwell Business Park Leighton Buzzard, Bedfordshire, LU7 4WG England phone: +44 (0) 1525 249200 fax: +44 (0) 1525 249249 email: <a href="mailto:ele@eleint.co.uk">ele@eleint.co.uk</a> <a href="http://www.ele.com">http://www.ele.com</a> ELE International, a division of Hach Lange Ltd.</p>	<p><b>Distributor:</b></p>	<p><b>ELE International</b> Soiltest Product Division PO Box 389, Loveland, CO 80539 USA phone: +1 (800) 323 1242 fax: +1 (970) 663 9781 email: <a href="mailto:soiltest@eleusa.com">soiltest@eleusa.com</a> <a href="http://www.eleusa.com">http://www.eleusa.com</a></p>
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## 1 Description/Specification

### **ELE Digital gauge with Max.-/Min.-Display**

**General accuracy: Better than 1% FS (0.3 % typ).**

The pressure device has two operating keys. The left key (SELECT) serves to select the functions and the pressure units. The right key (ENTER) activates the selected function or pressure unit. The right key is also used to switch between the MAX.- and MIN.-value.

## 2 Installation

### **Important Note**

*The gauge is supplied with the battery not installed. This is to make sure that the gauge is not activated during transit and the battery life wasted.*

To install the battery, carefully remove the back cover using a small coin and then insert the battery between the two contacts with the + SIGN FACING YOU. Replace the back cover making sure that the O-ring remains imbedded in the cover. (It is best to replace the cover with the LCD screen facing upper most to keep the O-ring in place.) After battery insertion it takes approximately one minute before the gauge can be used.

It is important that the pressure gauge is connected correctly to the allocated pressure connection on top of the Pressure Test 1700. Do not tighten the measuring device using the body of the gauge, only use a correct sized wrench.

## 3 Operation

**Turn-on:** Pressing the SELECT key turns the instrument on. The instrument subsequently displays the software version (year/week), the full-scale pressure range, the actual pressure (top display) and the last measured MAX.-value (bottom display).

### **The instrument has the following functions:**

<b>RESET</b>	:	Max.-/Min.-value are set to the actual pressure
<b>OFF</b>	:	Turns off the instrument
<b>MANO</b>	:	Releases the following functions:
<b>ZERO sET</b>	:	Sets a new Zero reference
<b>ZERO rES</b>	:	Sets the Zero to factory setting
<b>CONT on</b>	:	Deactivates the automatic turn-off function
<b>CONT off</b>	:	Activates the automatic turn-off function (the instrument turns off 15 minutes after the last key function) followed by the unit selection: <b>bar, mbar/hPa, kPa, MPa, PSI</b>

### **Example: Setting a new pressure unit (kPa)**

- Turn on the instrument by shortly pressing the SELECT-key.
- Wait for the instrument's measuring mode (approx. 3 seconds).
- Press the SELECT-key 3 times: **MANO** appears.
- Press ENTER: **ZERO sET** appears.
- Press SELECT: **ZERO rES** appears.
- Press SELECT: **CONT on** or **CONT off** appears depending on what it is set to.
- Press SELECT: **BAR** appears.
- Press SELECT: **mbar/hPa** appears.
- Press SELECT: **kPa** appears.
- Press ENTER: The new pressure unit is set. The instrument returns to the measuring mode.

### Display of the minimum pressure value

When in the measuring mode (Display: Actual Pressure and Max.-value), you may display the Min.-value for 5 seconds by shortly pressing the ENTER-key.

#### Notes

- 1) The functions and units can also be called up by keeping the SELECT-key depressed. Releasing the key enables the displayed function or unit to be activated with the ENTER-key.
- 2) If the selected function or unit is not activated within 5 seconds with the ENTER-key, the pressure device returns to the measuring mode without changing any settings.
- 3) Turning the pressure device on and off does not influence any of the previous settings.
- 4) If the **CONT on** function is activated, it is indicated with a flashing sign on the display.
- 5) If a pressure cannot be represented on the display, **OFL** (overflow) or **UFL** (underflow) appears on the display.
- 6) If the actual pressure goes beyond the measuring range, the last valid pressure value starts flashing on the display.

### Battery Change / Battery Life

When the battery starts weakening, a low battery warning (BAT LOW) will appear in the upper left corner of the display.

Battery change: Open the battery compartment and change the battery (type CR 2430).

The battery life is 1400 hours in normal measuring mode.

**Note.** It is recommended to initiate the auto shut down process by setting the device to **CONT off**. This will prolong the battery life.

## 4 Maintenance

It is recommended to clean the device only with a damp cloth and not to try to clean the LCD screen with any abrasive material as this will render the screen useless.