

tecnosoft DEEPWAVE Pressure Sensor User Guide

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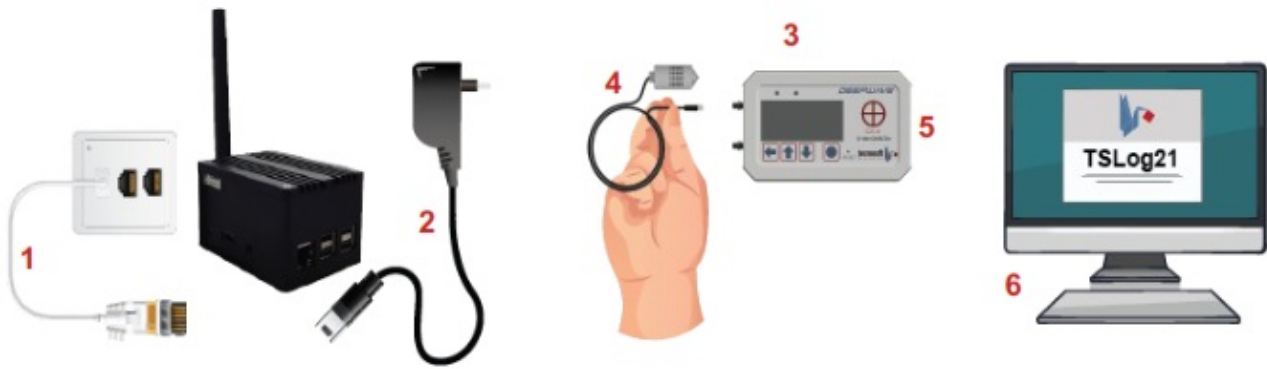


Quick Start Guide
DEEPWAVE

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Connections



1. Connect Helios to your LAN through an Ethernet cable
2. Power up Helios with the provided adapter
3. Position the Nodes in final location
4. Connect the Smart Sensor to the Node
5. Insert the batteries and/or power adapter
6. Install TSLog21

Installing

Visit tecnosoft.eu

1. Click on Software/Download > Techno Utility
2. Download > Installing
3. Run Techno Utility
4. Installing TSLog21

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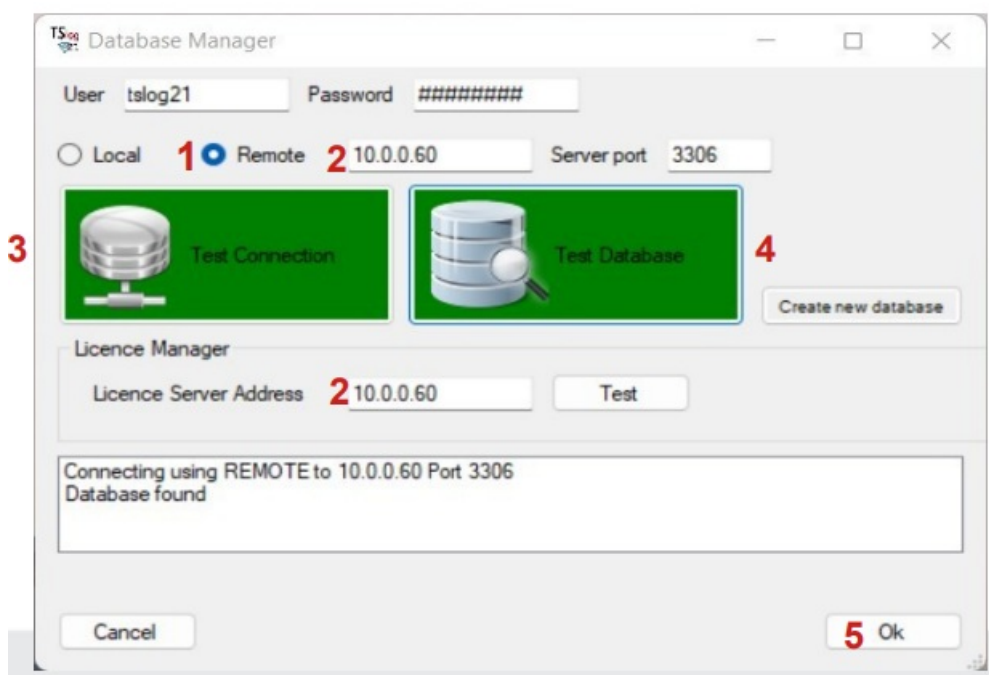
Download

TecnoUtility - Download to install the software

Connection to Database

SHIFT + double click on TSLog21 desktop icon

1. Remote Select
2. Enter Helios IP in the fields
3. Click on Test Connection
4. Click on Test Database If the buttons turn green, the connection is successful.
5. Ok for confirmation



Connections

On first login create an Administrator:

1. Set password
2. Type First and Last name
3. Upload an image of your signature (optional)
4. Click on Ok to confirm

The image shows a 'User' configuration dialog box. It contains the following fields and controls:

- User:** A text field containing 'ADMIN'. A red '1' is next to it, and a 'Set password' button is to its right.
- First name:** An empty text field. A red '2' is next to it.
- Last name:** An empty text field.
- Signature:** A large empty text area. A red '3' is to its left.
- Buttons:** 'Set' and 'Clear' buttons are located below the signature field.
- Level:** A dropdown menu showing 'ADMINISTRATOR'.
- Enabled:** A checked checkbox.
- Buttons:** 'Cancel' and 'Ok' buttons are at the bottom. A red '4' is next to the 'Ok' button.

Configuration

Open Setup Tab

1. Change program language
2. Set idle timeout user
3. Change group label
4. Change sensor label
5. Set ban preferences after wrong password attempts

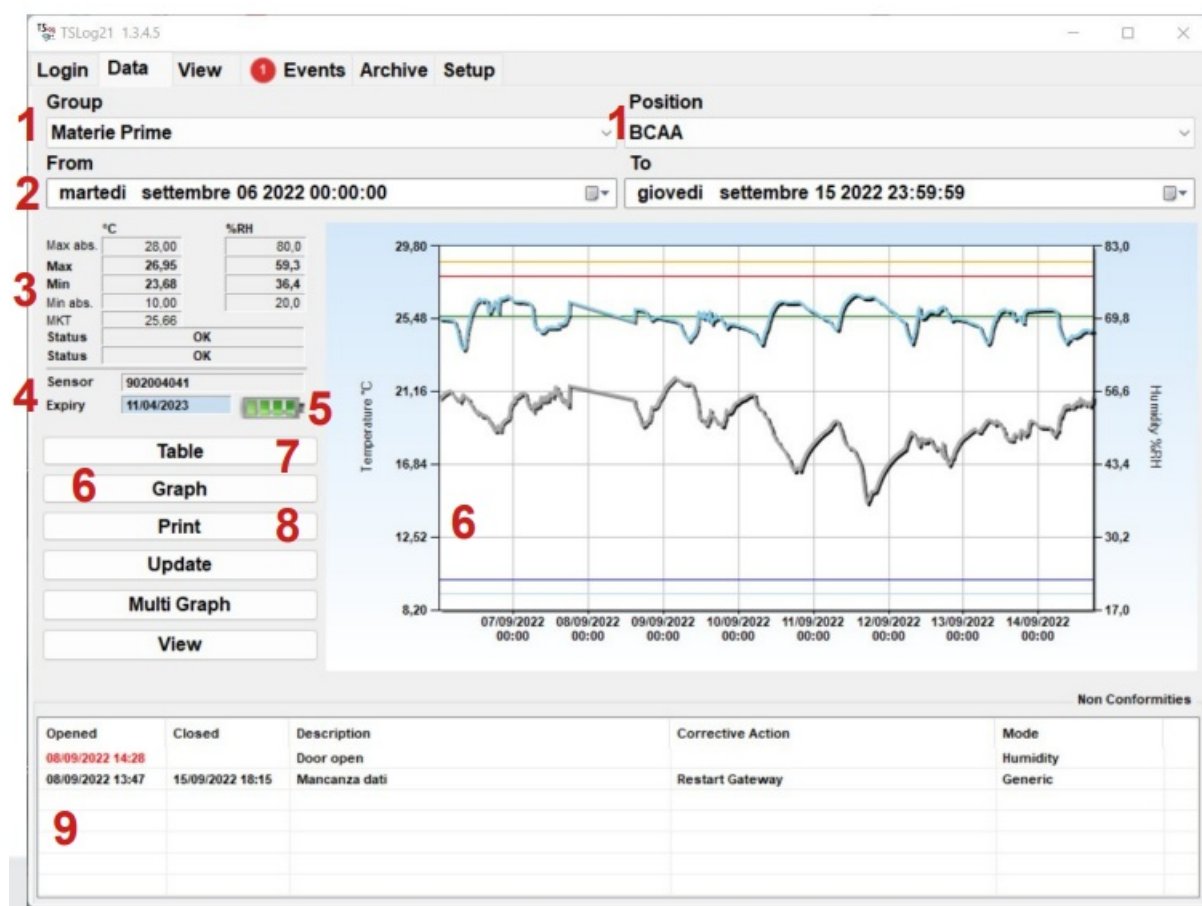
The image shows the 'TSLog21 1.3.4.5' Setup window. The 'Setup' tab is selected, and the 'General' sub-tab is active. The window contains the following settings:

- Group label:** A dropdown menu showing 'Group'. A red '3' is next to it.
- Sensor label:** A dropdown menu showing 'Position'. A red '4' is next to it.
- Idle timeout (minutes):** A numeric field showing '999'. A red '2' is next to it.
- Show receiving date and time in Table:** A toggle switch.
- Enable profiles:** A toggle switch.
- Login ban:** A section containing:
 - Wrong login tryouts before ban:** A numeric field showing '3'. A red '5' is next to it.
 - User ban period (minutes):** A numeric field showing '1'.
- Language:** A dropdown menu showing 'English'. A red '1' is next to it.
- Workstation:** A button labeled 'INSTALL WORKSTATION' and a 'Change' button.
- Sync Helios Clock:** A toggle switch.
- Battery check:** A checked checkbox.
- Full (Volt):** A numeric field showing '3,0'.
- Empty (Volt):** A numeric field showing '2,5'.

View the Data

Open Data tab

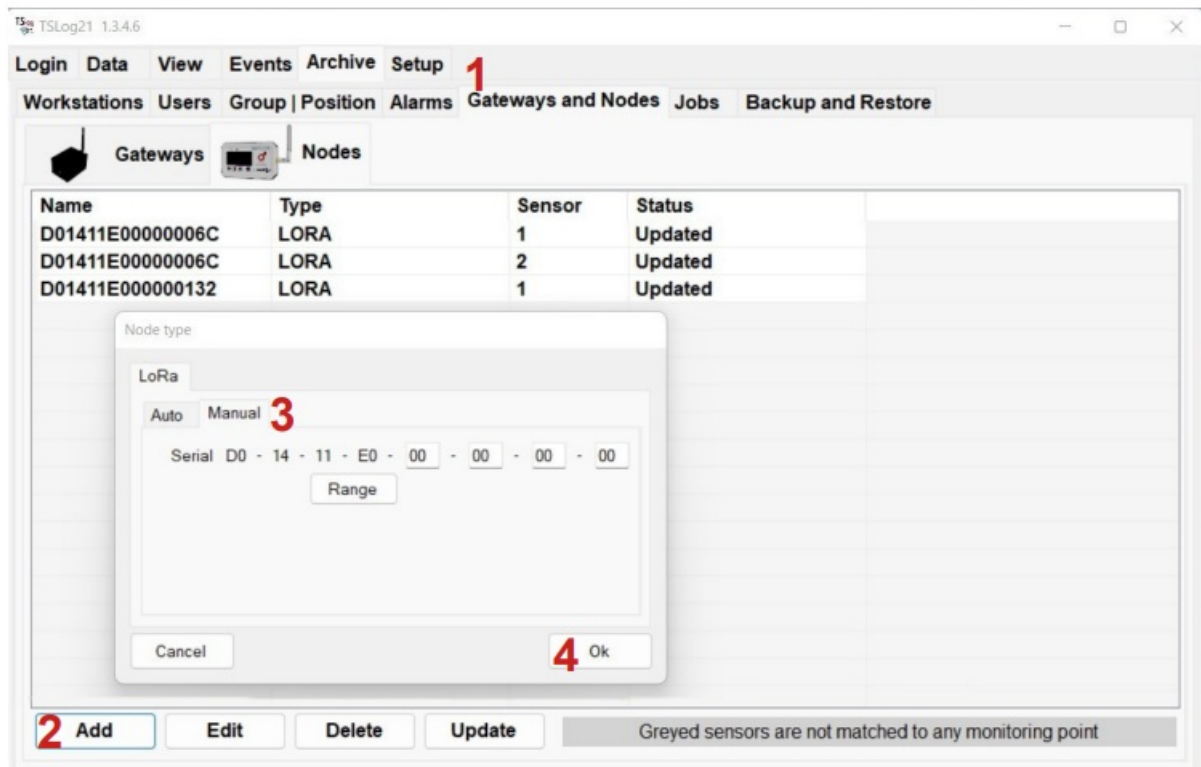
1. Choose the group and position
2. Choose time interval
3. Statistics
4. Sensor Info
5. Battery charge
6. Graph
7. Acquisition Table
8. Report Printing
9. Non conformities Table



Add Nodes

Open Archive Tab

1. Click on Gateways and Nodes
2. Click on "Add" Node
3. Type the S/N in Manual mode
4. Click on Ok to confirm



Add Smart Sensor

After adding the Node

1. Activate Smart Sensor position #1 and/or #2
2. Set Acquisition rate #1
3. Check external supply if existing #1
4. Add 1 or 2 channels #1
5. Click Ok to configure Smart Sensor #2

1



LORA D01411E000000095 Samrt Sensor 1

Device Address: 00000095

Application Key: 79 F4 78 AC 05 24 90 CF 56 BC 8A 9C C5 4D C3 BB

Network Key: 1F 1E EA E6 7F 1F F6 A9 EE 78 4F B5 77 70 41 04

2 Acquisition Rate: 15 minutes

3 ☐ External Supply

Send Command

Channel Type: Temperature

Temperature

Humidity

Pressure Difference

Cancel

4 Add channel Remove channel

Cancel 5 Ok

Edit Sensor position

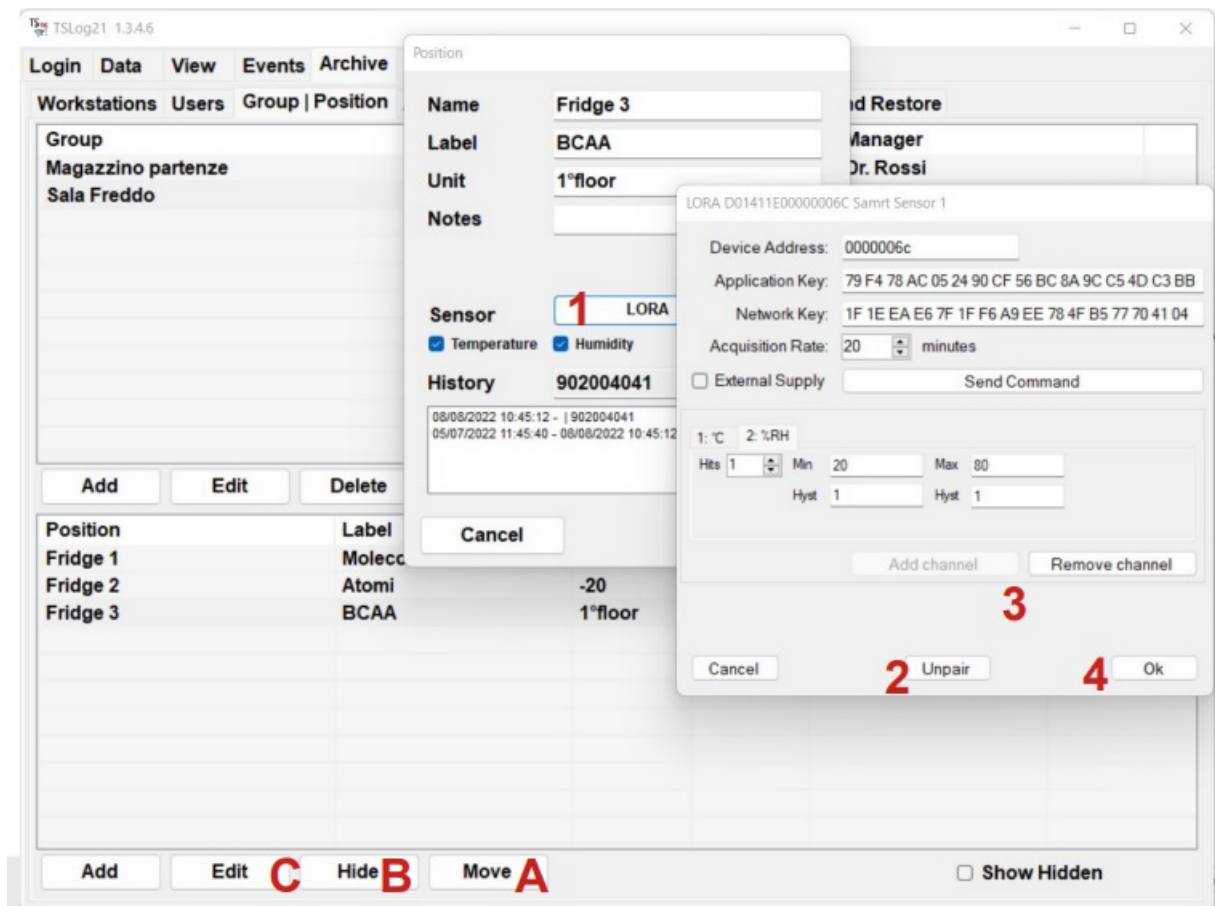
Open Group/Position tab and select the Position

A Click on Move and select the Group

B Click Hide to avoid the list

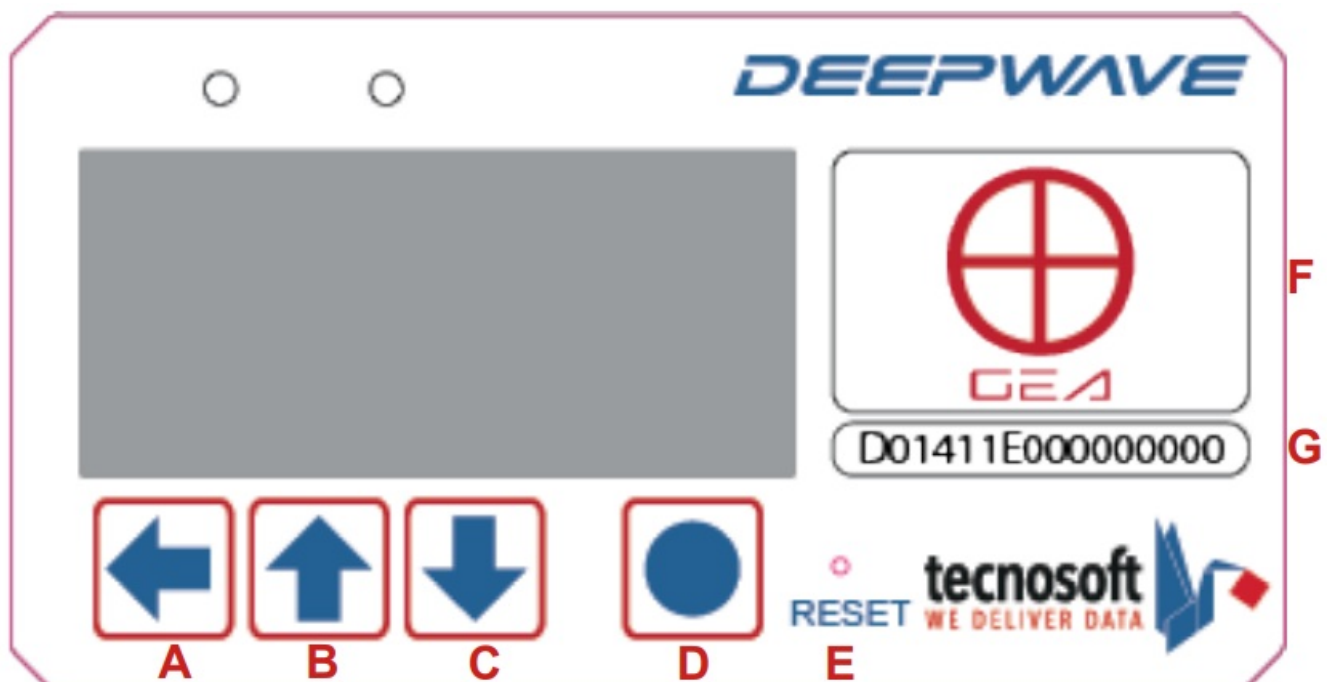
C Clic Edit to open the window

1. Click on LORA button to access the sensor
2. Click on Unpair to change the Smart Sensor
3. Add/Remove channel if necessary
4. Click on Ok when finished



Node buttons

- A Scroll through options in current view
- B To previous page
- C To next page
- D Scroll page or option selection
- E Reset the Node for reconfiguration
- F Node model
- G Node Serial Number



Node pages

Page 1

1. Page number
2. Smart Sensor position on Node
3. First channel
4. Second channel
5. Last acquisition date and time
6. Press D to switch from posn°1 to posn°2

Page 2

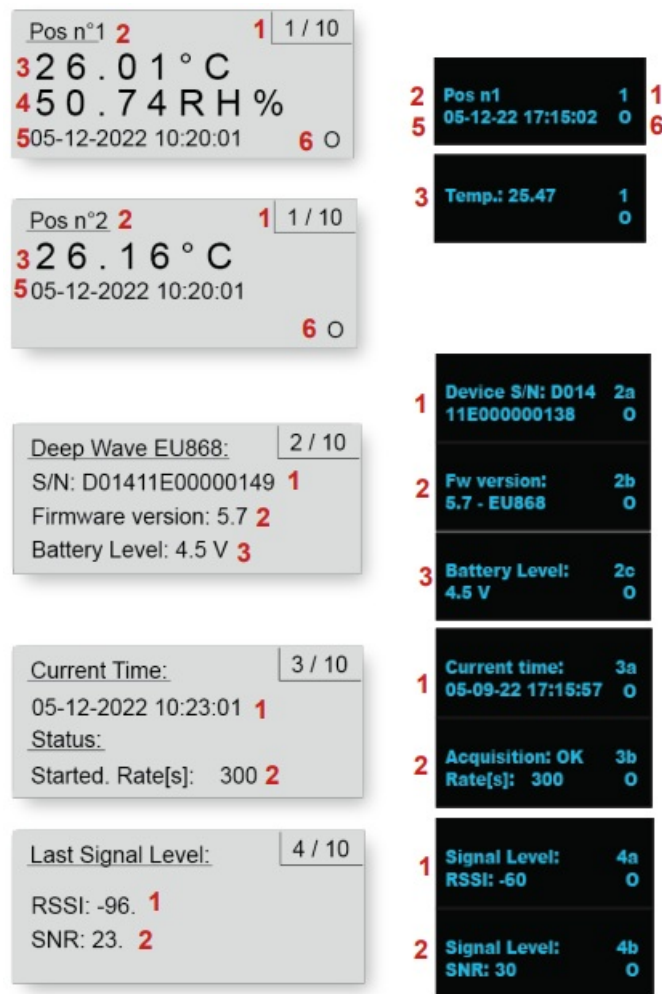
1. Node Serial Number
2. Firmware version
3. Battery Level

Page 3

1. Current Date & time
2. Acquisition rate in seconds

Page 4

1. Received Signal Strength Indication
2. Signal Noise Ratio



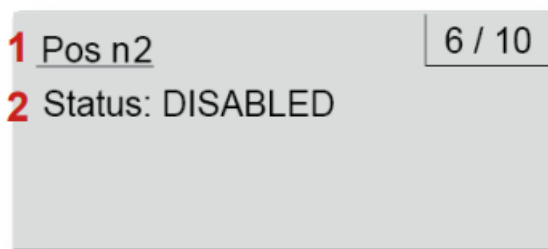
Page 5

1. Smart Sensor position on Node
2. Status of sensor
3. Press D to switch to other information
4. Node Serial Number
5. Calibration date
6. Recommended recalibration date
7. Press A to previous page



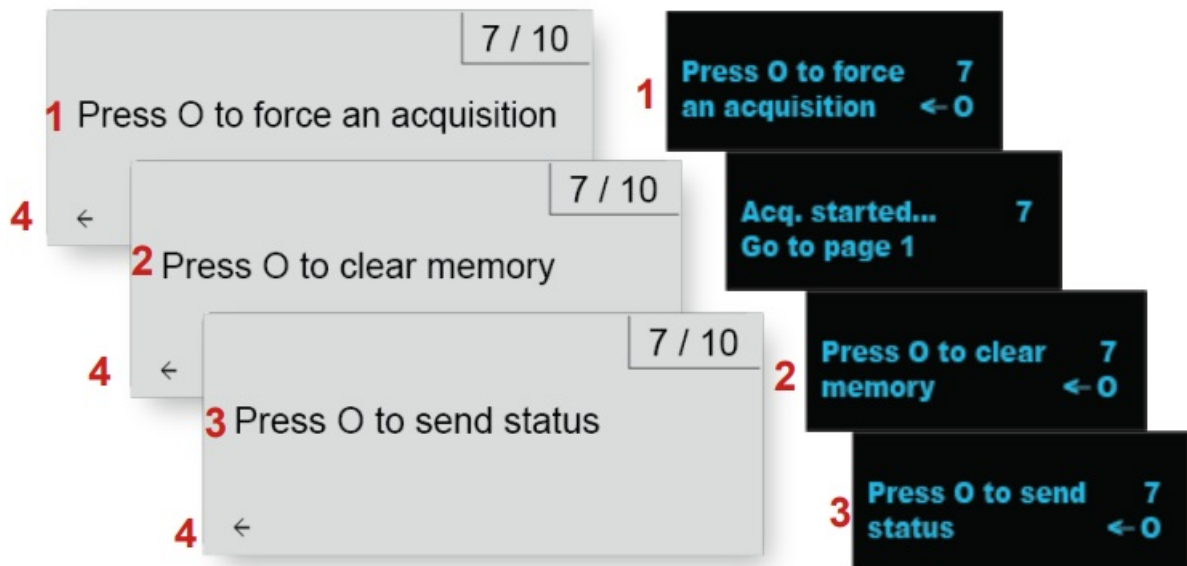
Page 6

1. Smart Sensor position on Node
2. Status of sensor



Page 7

1. Press D to force an acquisition
2. Press D to clear memory
3. Press D to send status message
4. Press A to show other options of page 7



Page 8

1. Last detected alarm
2. Alarm type
3. Press D to swish from Alarm 1 to Alarm 2

Page 9

1. Buzzer state
2. Press D to change state (OFF-AUTO-ON)

Page 10

1. Relay state

2. Press D to change state (OFF-AUTO-ON)

Alarm Log: 8 / 10 1 A1 03-09-2022 03:25:55 2 BATTERY ALARM ON 3 O	Alarm Log: 8a 1 03-09-22 03:25:55 ← A Alarm Log: 8b 2 BATTERY ALARM ← A
Buzzer state: 9 / 10 1 OFF 2 O	Buzzer state: 9 1 OFF 0 2
Relay state: 10 / 10 1 DISABLED 2 O	Relays state: 10 1 DISABLED 0 2



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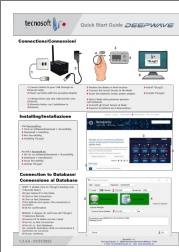
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1.3.4.8 – 01/01/2023

Documents / Resources

	tecnosoft DEEPWAVE Pressure Sensor [pdf] User Guide DEEPWAVE, DEEPWAVE Pressure Sensor, Pressure Sensor, Sensor
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