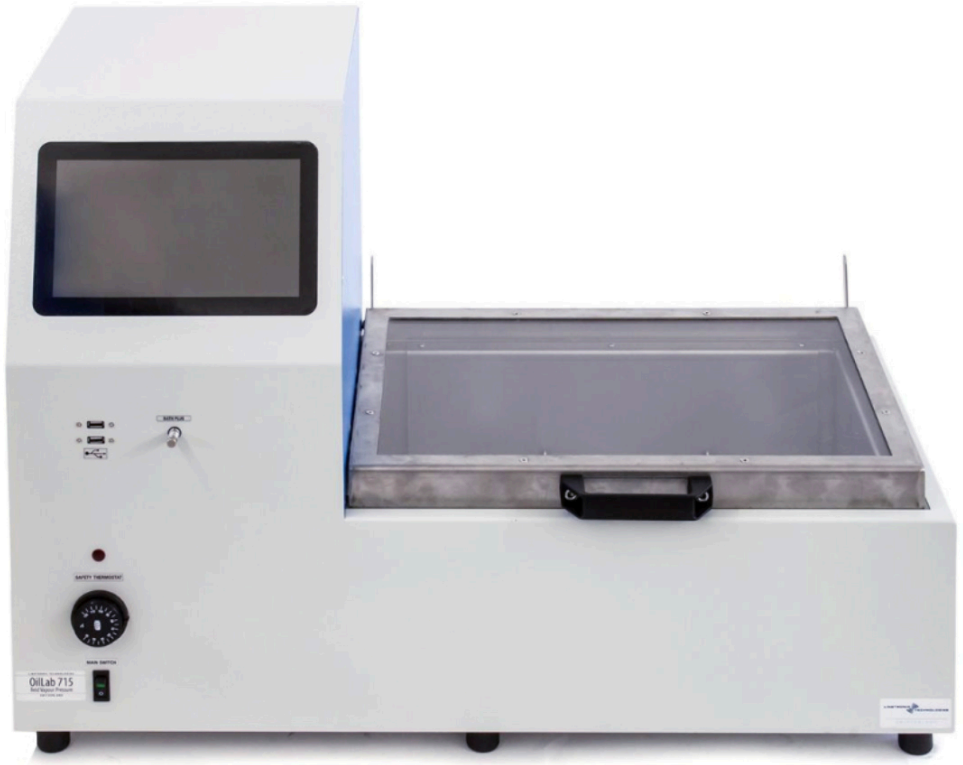
OILLAB 715
REID VAPOUR PRESSURE

L I N E T R O N I C T E C H N O L O G I E S S A
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Tel. +41/91 6300703 Fax +41/91 6300719

www.lin.tech.ch info@lin–tech.ch

Test Method(s)

- ASTM D323
- ASTM D4953
- IP 69
- ISO 3007







ASTM D323 - IP 69 - ISO 3007

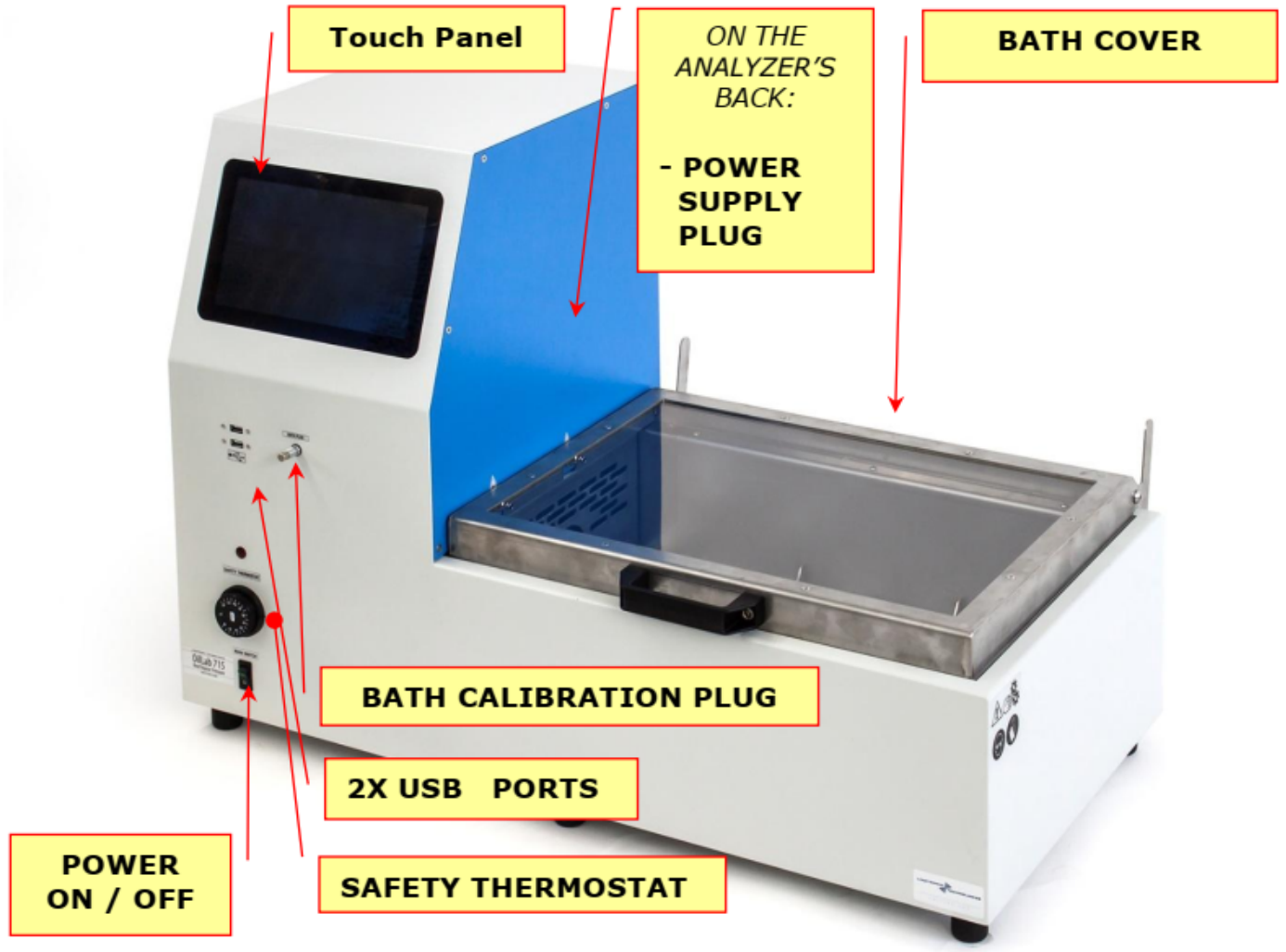
- Vapour Pressure of Petroleum Products (Reid Method) Procedure B
- The test method covers the determination of vapour pressure of gasoline, volatile crude oil, by means of three procedures:
- A, B and C.
- The OilLab 715 grant the determination in conformity with the procedure B (horizontal bath) on petroleum products having Reid Vapour Pressures below 180 kPa (26 psi).



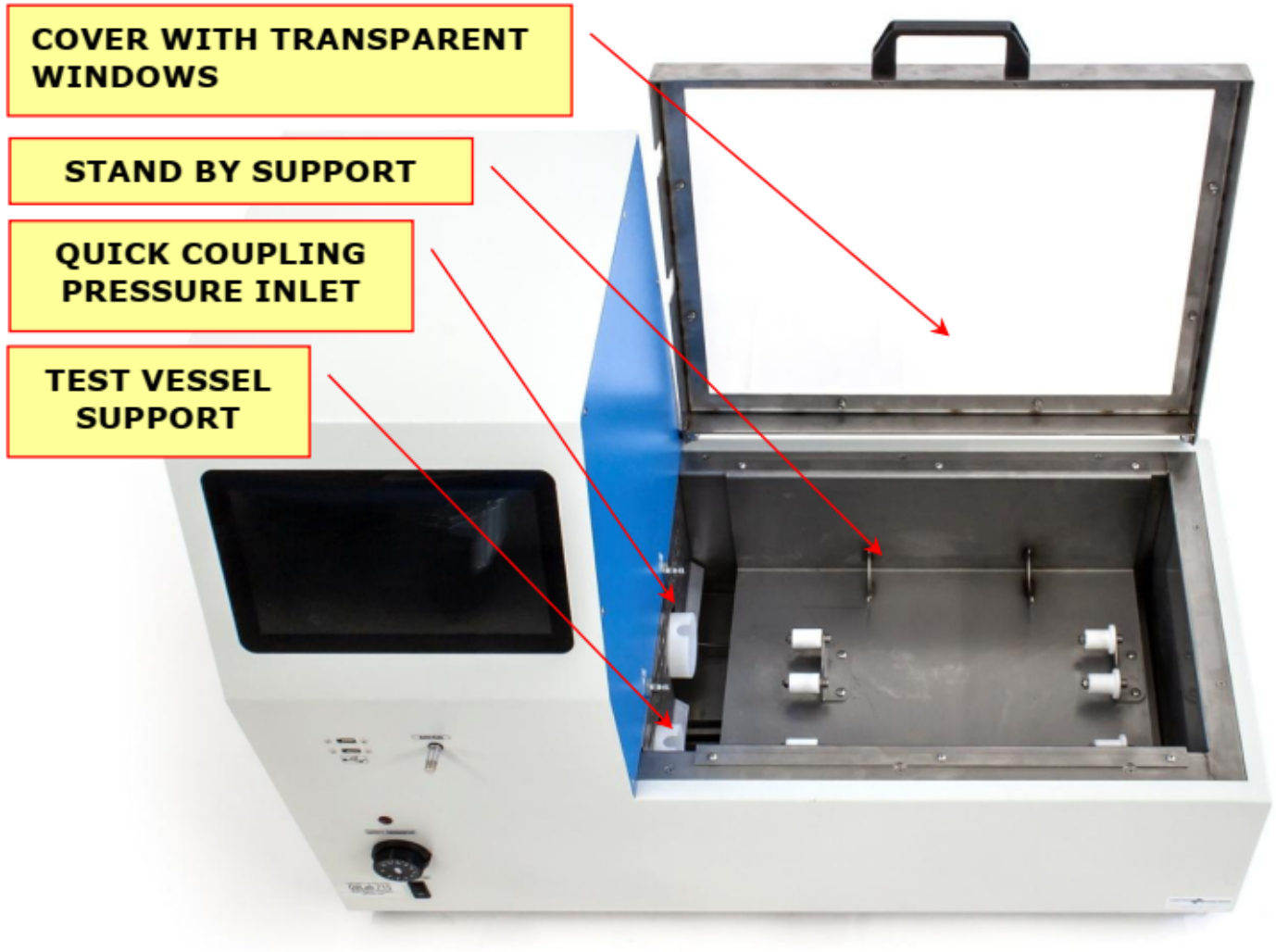
ASTM D4953

- Standard Test Method for Vapor Pressure of Gasoline and Gasoline-Oxygenate Blends.
- This test method covers and is applicable to gasolines and gasoline-oxygenate blends with a vapor pressure range from 35 kPa to 100 kPa (5 psi to 15 psi).
- This test method, a modification of Test Method D323 (Reid Method), provides two procedures to determine the vapor pressure of gasoline and gasoline oxygenate blends.

ANALYZER OVERVIEW AND CONNECTORS



FRONT PANEL


COVER WITH TRANSPARENT WINDOWS
STAND BY SUPPORT
QUICK COUPLING PRESSURE INLET
TEST VESSEL SUPPORT

TEST VESSELS ARRANGEMENTS



INSTRUMENT HIGHLIGHTS

- ✓ Simple to use even for untrained people
- ✓ Built-in pressure sensor
- ✓ Calibration of temperature probe can be performed by resistor box or by reference devices/temperatures by mean of comparison
- ✓ Safety devices:
  cut off heater and low liquid level
- ✓ Selectable test position
- ✓ Selectable test method and bath temperature
- ✓ According the official method

SOFTWARE FEATURES

- ✓ Touch Screen Interface
- ✓ Customizable analysis parameters
- ✓ The whole analysis set-up, progress and results are automatically stored
- ✓ Results are reported in both plain and barometric pressure
- ✓ Able to store/recall over 60.000 analysis (i.e. more than 15 analysis per day in 10 years)
- ✓ Built-in results / saved analysis browser, accessible even while analysis is in progress
- ✓ Results can be printed to any Windows* compatible printer
- ✓ Export results to USB mass storage device in Excel* compatible format
- ✓ One-touch screen-shot button to save screen captures to USB as jpeg image
- ✓ Analysis progress shown in both graphic and data grid
- ✓ Simplified yet complete diagnostic panel

Measuring REID VAPOUR PRESSURE devices:

Analyser equipped with both:

- 2 independent swirling motor

- 2 independent pressure sensor

- built in touch screen panel pc with managing software.

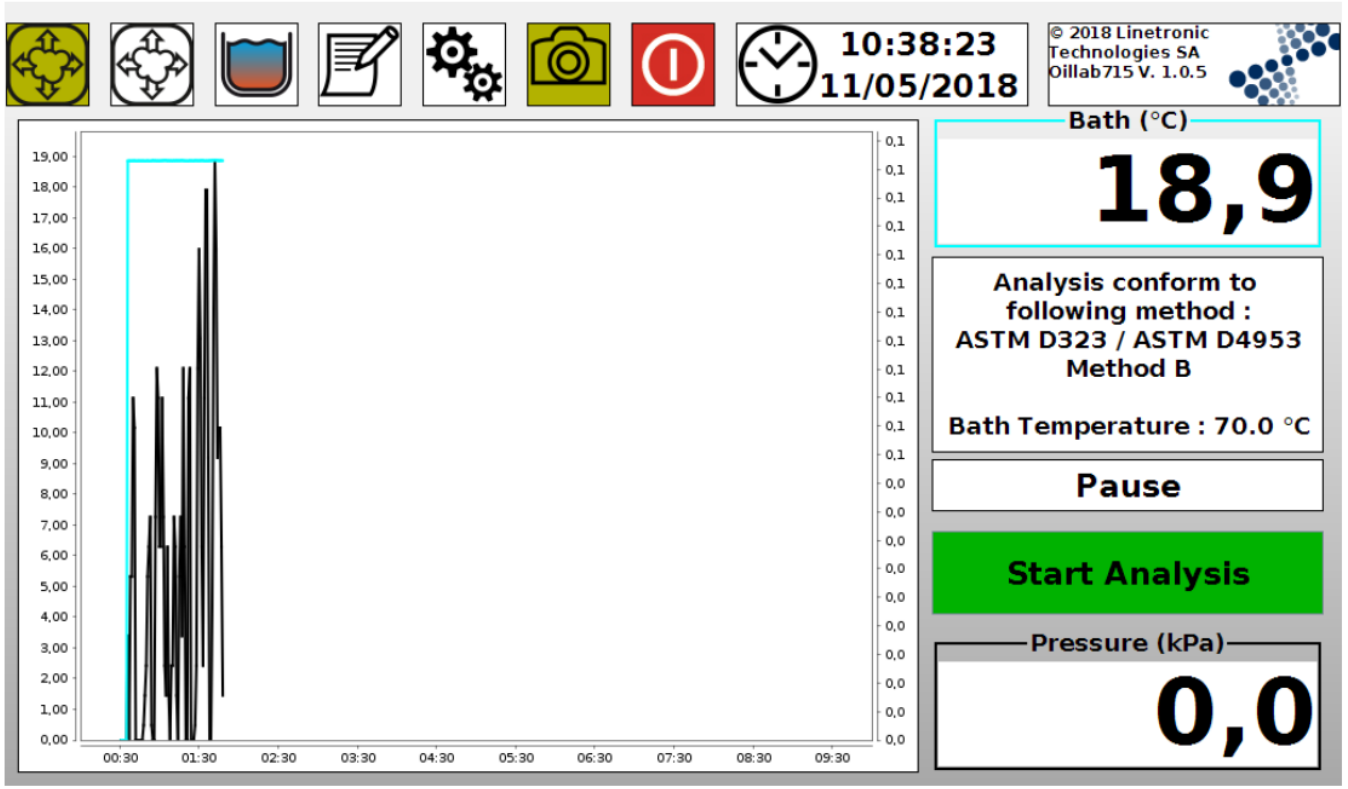
- 2x 1000 w heaters made in stainless steel

- Bath made in stainless steel with motor stirrer

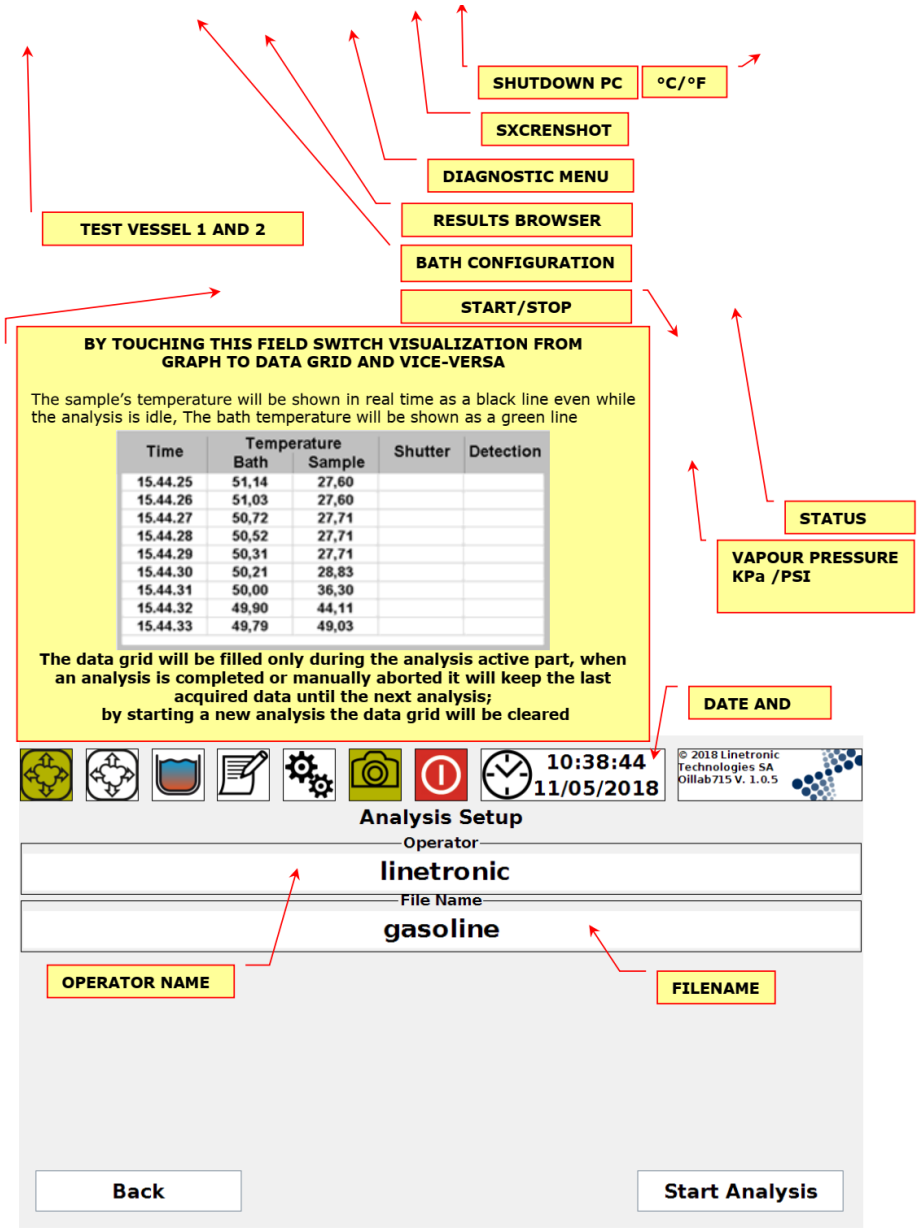
- Low liquid level sensor up to 80°C

-Metal cover with transparent windows

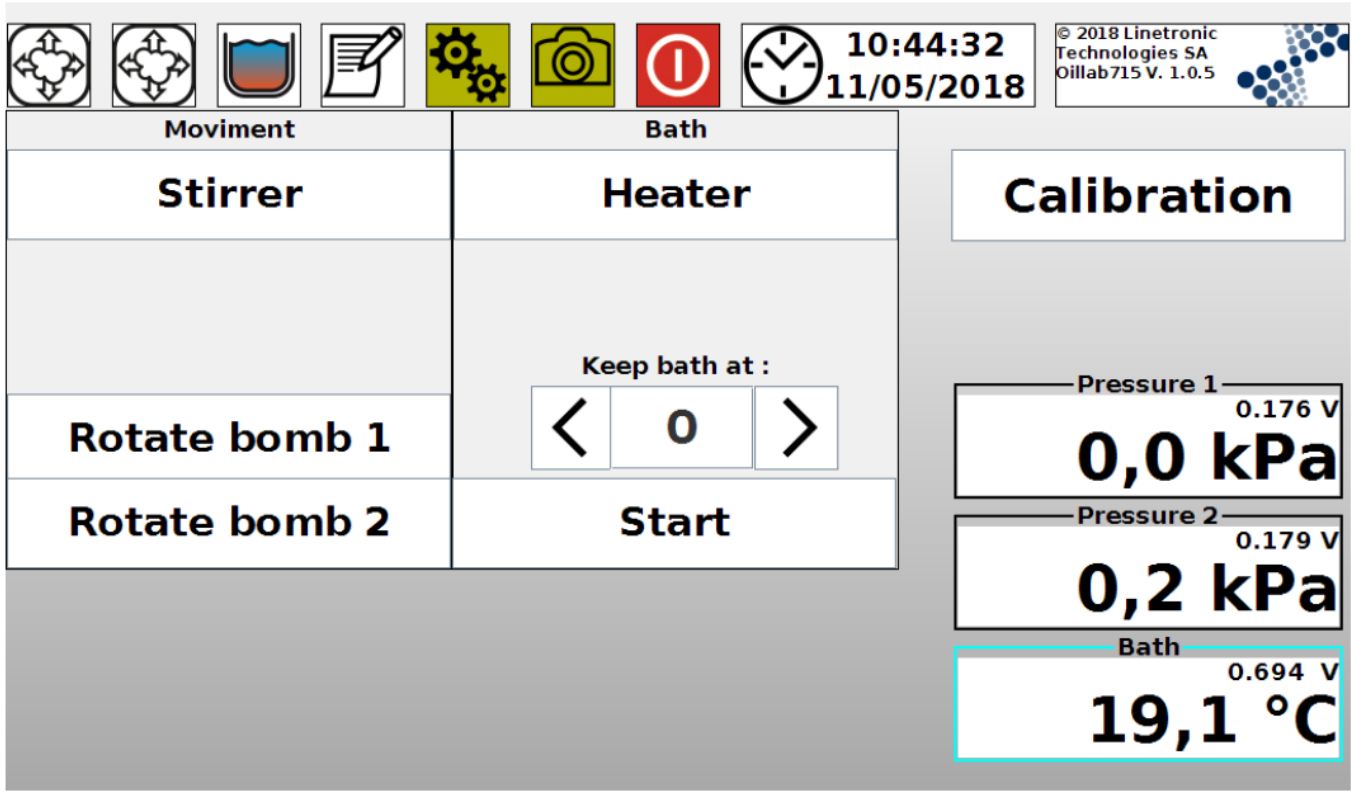
SOFTWARE INTERFACE (Main Screen)



SOFTWARE INTERFACE (Main Screen)

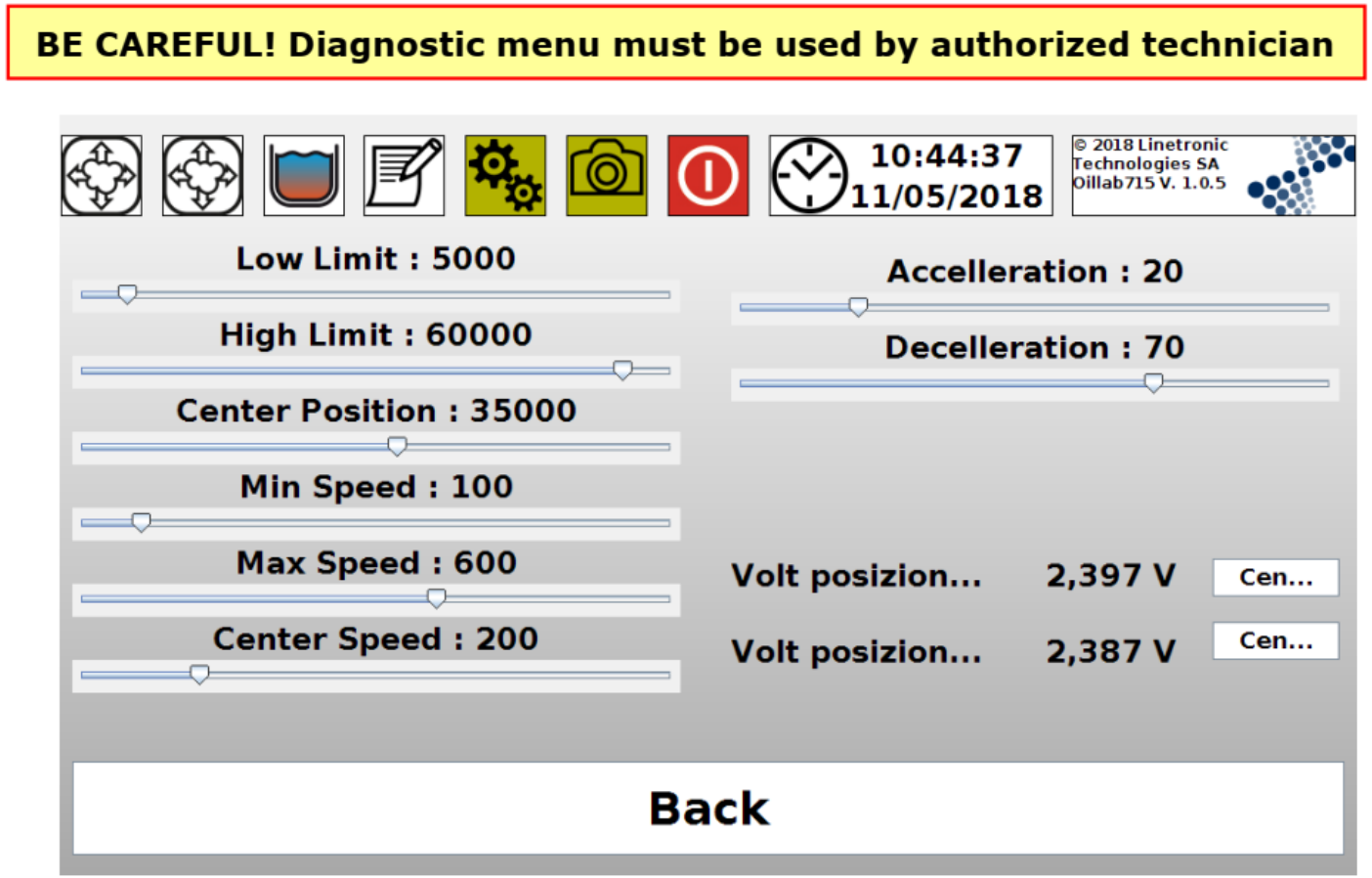


CONFIGURATION

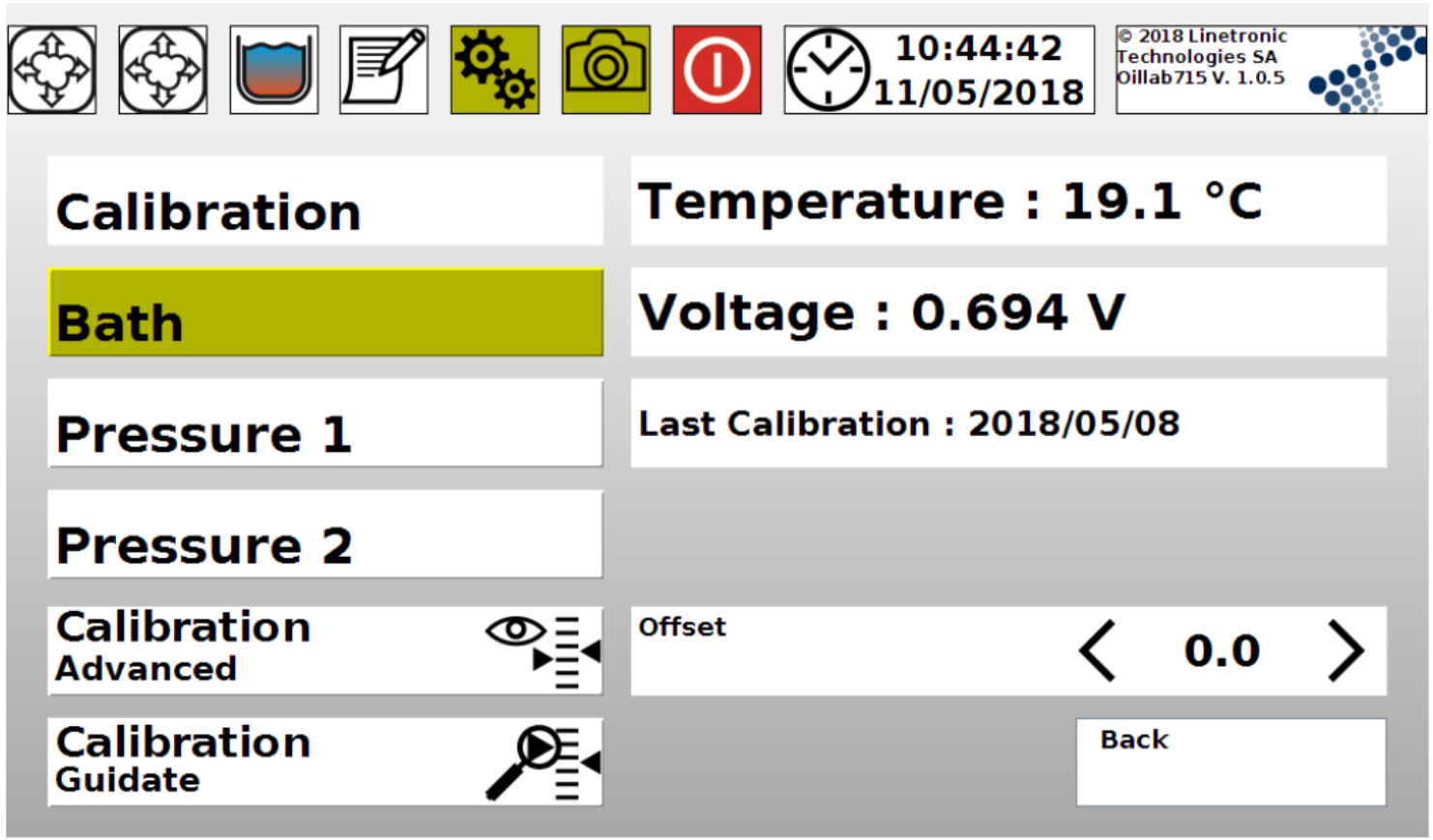


- The diagnostic panel is accessible only while the analysis is not in progress. Press the Gears Icon, to entry on the diagnostic panel
- The diagnostic menu grant the possibility to check and verify the correct functions of the digital and analog signals I/O.
- Furthermore, the calibration button allow the authorized technician to perform the routine calibration of the probes and sensors.
- Press the buttons to activate the stirrer, heater, rotate vessel 1 or 2.

Diagnostic Menu

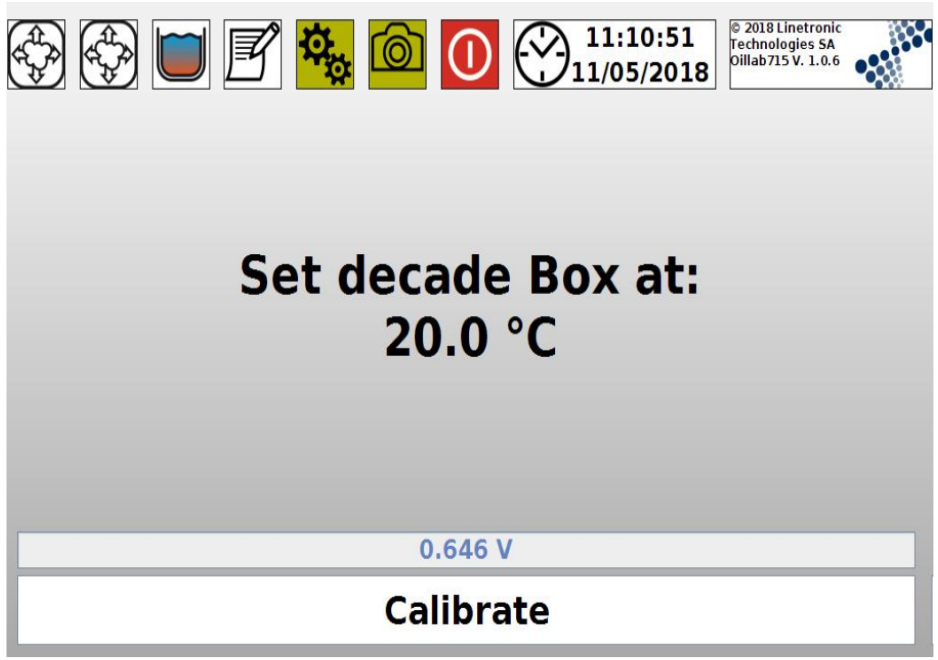


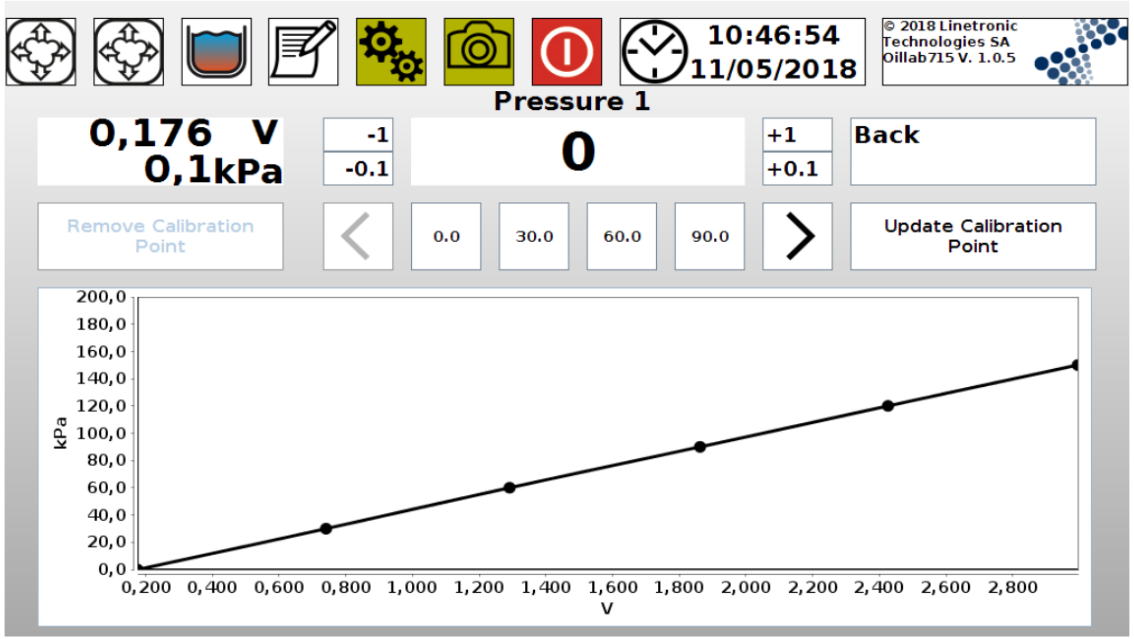
CALIBRATION



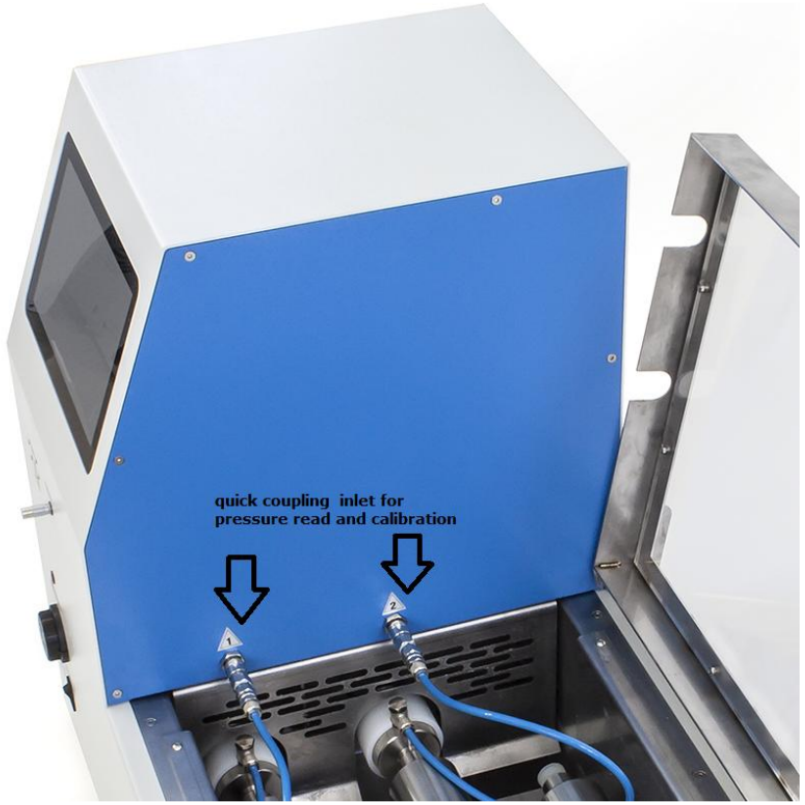
CALIBRATION

- Two calibration procedure are available:
  Guided and Advanced.



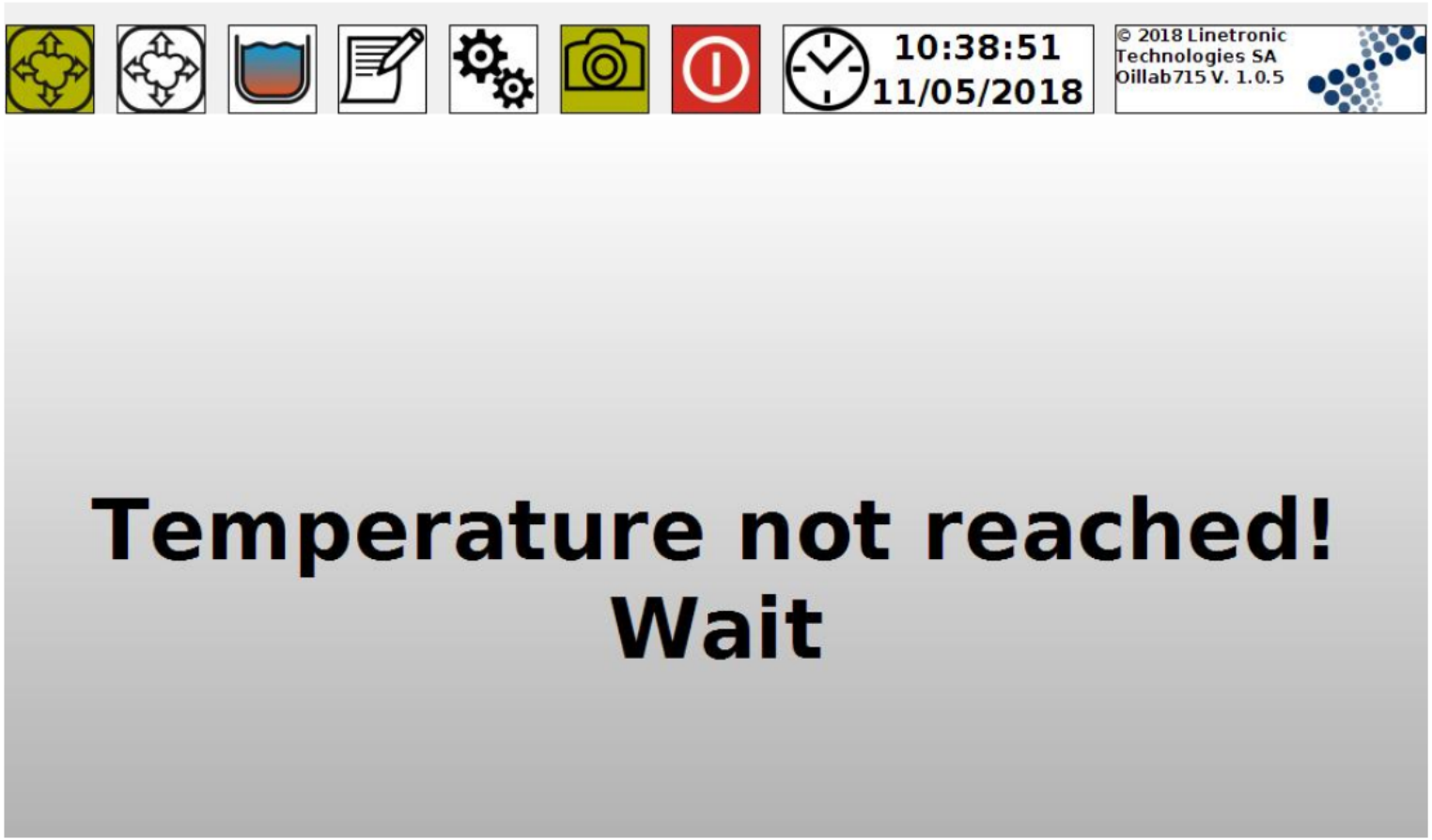


CALIBRATION



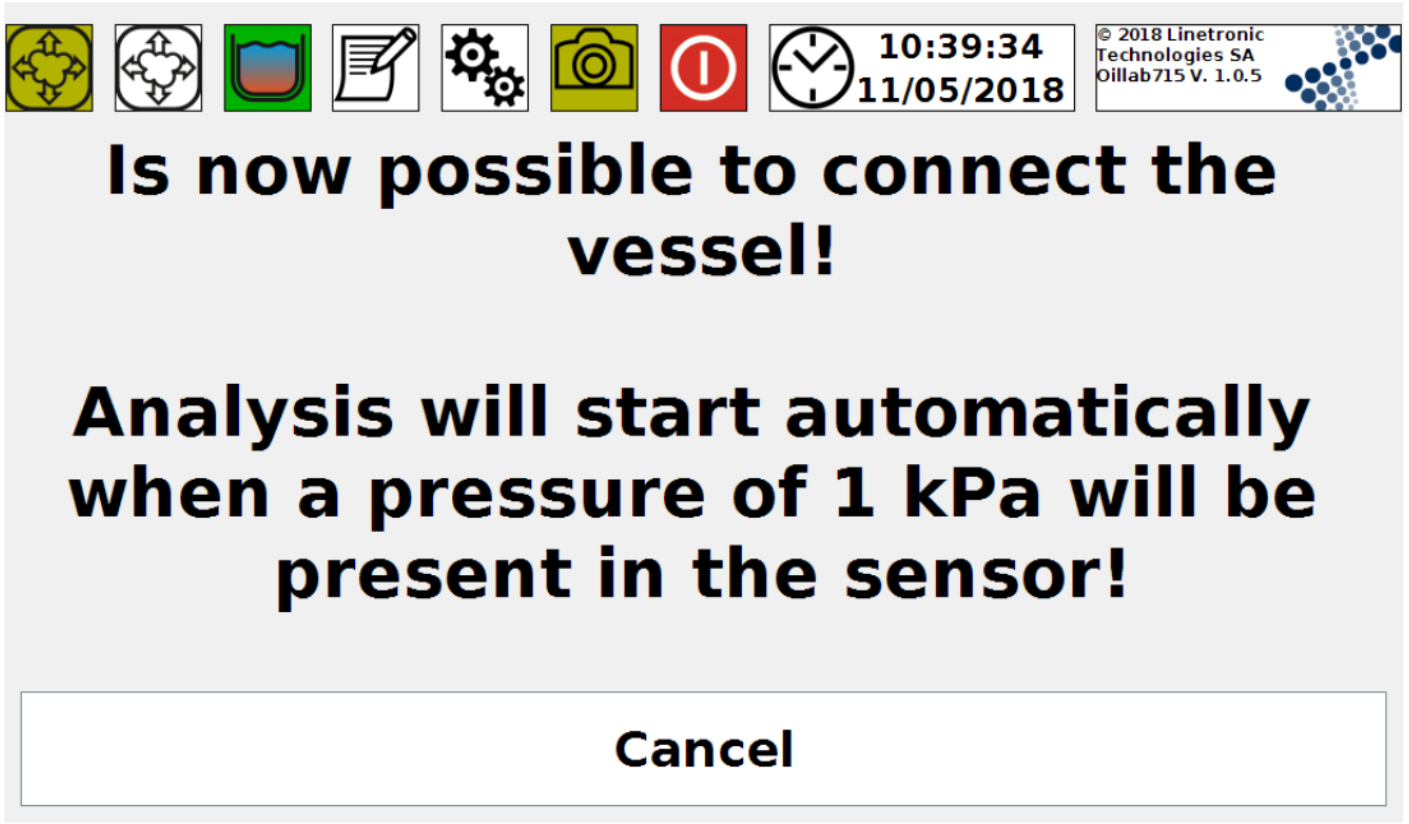
- *By mean of a pressure calibrator device the internal pressure sensor can be easily calibrated, verified.*

Temperature not reached!



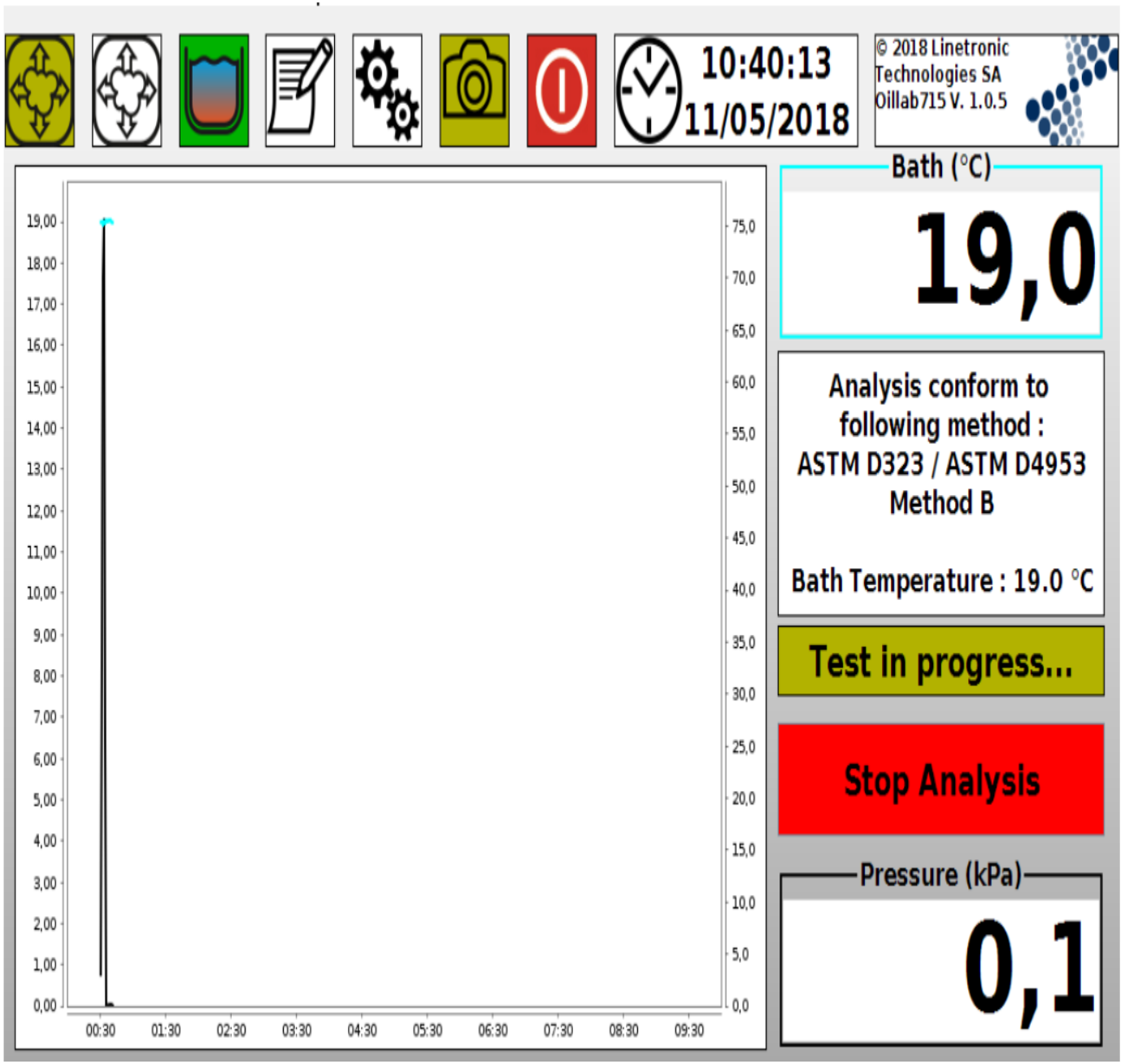
Analysis :

- If all is done correctly, once the pressure will start to increase automatically the screen will show as follow, otherwise is it possible to press cancel to return to the main menu.



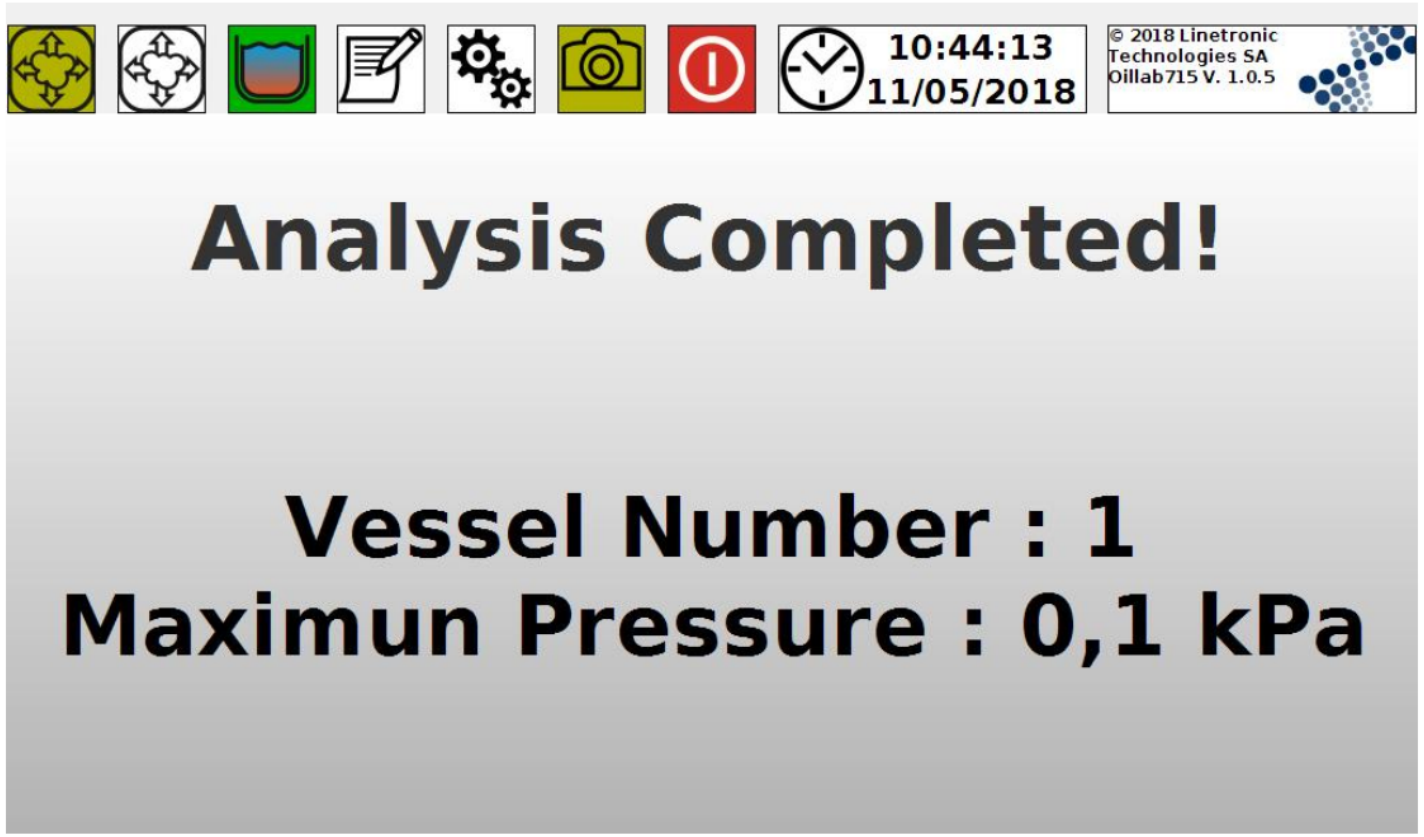
Analysis :

- The instrument will show the status, Test in Progress. The pressure curve is displayed until the pressure will reach the maximal and stable pressure.

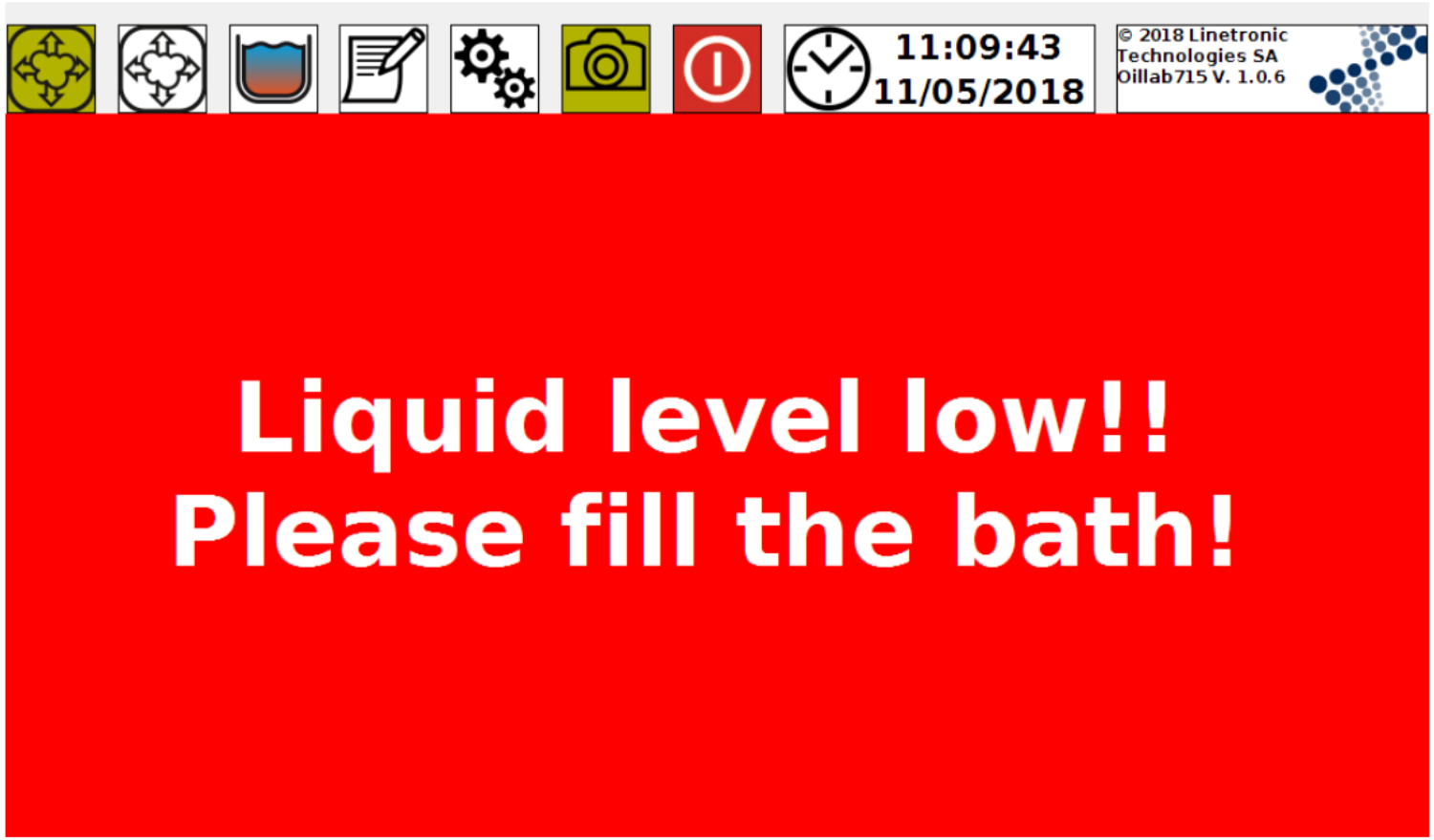


Analysis :

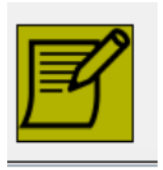
- Once reached the value of the max pressure the analysis is completed and the value is shown.
- Touch the screen to confirm to return to the main menu.
- The analysis file is already saved and stored on the result browser.
- Each pressure sensor is identify with a pressure channel 1 and 2 .
- One or two test measurements could be done separately or at the same time.
- Select the relevant Icon to run the required test vessel.
- Below the test completed for the vessel 1.



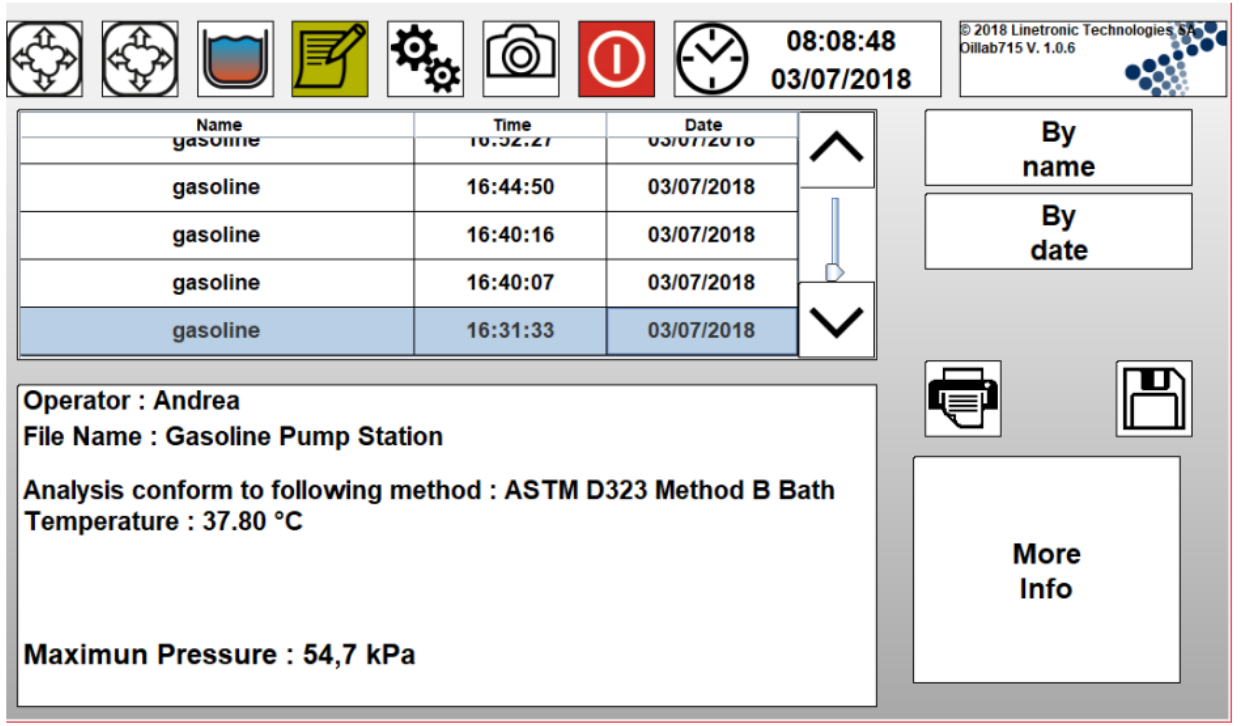
Safety message:



RESULTS BROWSER



The result browser may be accessed even while the analysis is in prog
Touching the Icon below the following menu will appear:



Automatic Reid Vapour Pressure

- Bath made in stainless steel suitable for the accommodation of up to two (2) vapour pressure cylinders according to ASTM specifications.
- Bath temperature range from ambient to +80°C ±0.1°, filling level 20 litres.
- Analysis range from 0 up to 250 kPa.
- Motorized stirrer with shaft , drain tap
- Electric immersion Heater controlled by PID system.
- • Drive system for swing gently the vessel in horizontal position.

Automatic Reid Vapour Pressure

- Secure handle cover for open bath.
- Bath equipped with a Touch screen panel PC:
- TFT/LCD 8”; 40 Gb HD; Resolution 1024 × 768 and 16M colours; 2 × USB Ports for connecting pen drive and printer.
- The dedicated software manages:
- The bath temperatures by means of a PT100 sensor class A, that can be displayed in °C / °F, including the over temperature safety alarm.
- 2 (two) electronic sensors, pressure transducers / electronic pressure gauges supplied for the coupling to the test vessels.
- Cables and connectors.
- Dedicated software for real time monitoring and recording that includes:
- Display of the pressure in bar / psi / Kpa; Graph creation in real time during the test; Invalid test indication; Export of files in xls / pdf / jpg format; Calibration up to 100 points.

THANK YOU

LINETRONIC TECHNOLOGIES

