

eravap – Vapor pressure tester

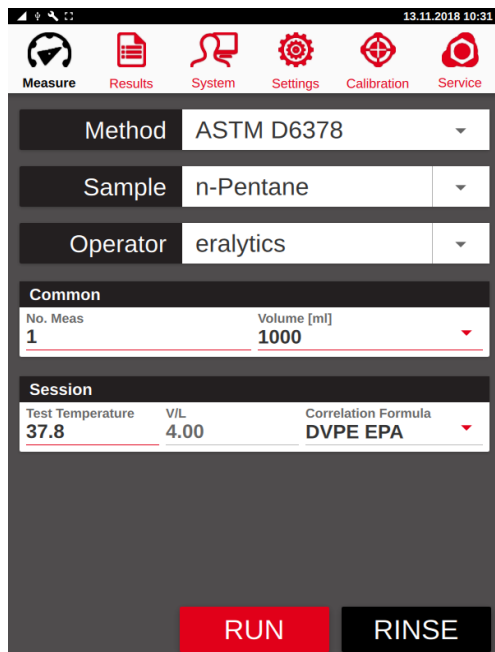
Short Manual

Turning on the analyzer

Position the analyzer properly on the bench and connect the outlet tube and the waste container to the left-hand side of the analyzer. After connecting the power cable to the back panel of the analyzer, press the main power switch.

The analyzer will load the firmware. During this process, the LED on the power button will flash. The loading takes approximately one minute. After loading, the analyzer will automatically display the “Measure” menu.

Measurement settings



Choose “Method”, “Profile”, “Sample ID”, “Operator” name, measurement temperature and the number of measurements “No. Meas”.

Be aware that for several standard methods the sample has to be preconditioned (e.g. chilled and air saturated). This prepared state may change if the sample is kept under ambient temperature longer than necessary.

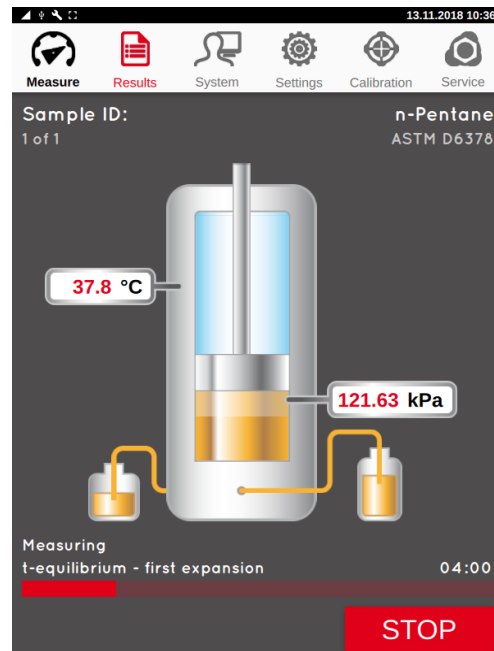
ASTM D5191 (EN 13016-1)

If this standard method is selected the measurement temperature is automatically set to 37.8°C (100°F) and cannot be changed.

ASTM D6378 (EN13016-3)

If you choose the standard method ASTM D6378 the measurement temperature can be changed as well, but the DVPE formula is valid for the test temperature of 37.8°C (100°F) only.

Starting the measurement



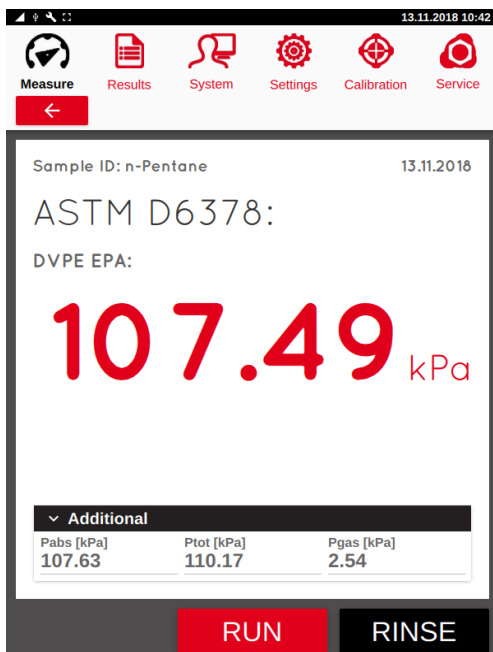
Connect the Luer with the tube to the inlet assembly of the tester and put the tube into your sample.

After entering all settings, the measurement can be started by pressing the “RUN” button.

If additional rinsing of the measurement cell is desired, press the “RINSE” button before starting the measurement with “RUN”.

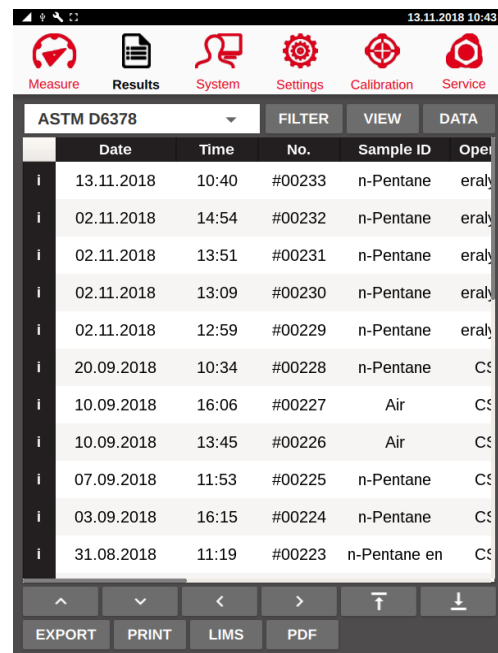
As soon as the measurement has been started, the screen automatically changes to the measure screen which provides information about the status of the measurement, including the actual temperature and pressure inside the measurement cell.

The entire measurement is fully automated and takes approximately 5 minutes for a vapor pressure measurement of gasoline at 37.8°C (100°F) according to ASTM D6378. The measurement can be aborted by pressing the “STOP” button. When the measurement is finished the result will be automatically displayed. Simultaneously, it is also saved in the result file.



Press “back” for returning to the “Measure” menu.

Results Menu



The results of all measurements stored on the instrument can be viewed in the results menu. Scroll up and down or sideways for additional information about the measurement.

Use the “EXPORT” button to export data to an USB-stick, “PRINT” to print the latest results and “LIMS” to send the measured data to a connected computer. The “PDF” button creates a pdf file on the USB-stick containing the selected measurement results.