

LACO TECHNOLOGIES

TiTAN^{TEST} QUICK-START GUIDE

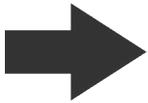
This short user guide should be used in conjunction with the complete operating manual for the TitanTest™ leak detector. All safety instructions in that manual must be followed.

STARTUP PROCEDURE



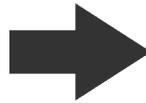
SWITCHING ON

Connect electrical power and switch on TitanTest™ with power switch on the rear side of the unit.



START UP

The TitanTest™ runs up automatically and displays the "STANDBY" screen in approximately 2-3 minutes.



STANDBY

Display of the current adjustments. Standard adjustments:

Mode: Vacuum

Mass: ⁴He

By pushing the **Setup** button, current adjustments can be changed. See page 2 for **SETUP MAIN MENU**.



CALIBRATION

-> Mount testing flange blank.
-> Activate calibration with **Calibration** button on the **STANDBY** menu.

-> Save calibration factors with **Save** button after successful calibration.

If the leak detector has been powered on for < 20 min you will receive a warning message.

-> Push **OK** button if you would like to continue without waiting.



PRE-TEST: VACUUM MODE

For leak detection in vacuum mode, connect the test piece at the testing flange (NW 25). Push **START/STOP**.

-> Evacuation of the test piece starts and the current pressure is displayed.

-> If measuring status is reached, the display changes to **MEASURE**.

See page 2 for **SNIFFING MODE**.



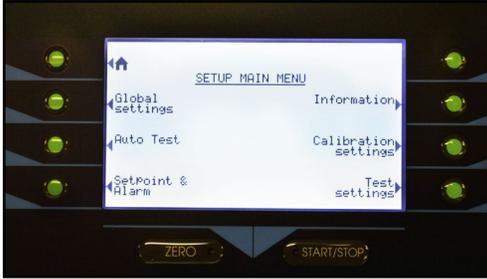
TEST: VACUUM MODE & ZERO

After starting a test cycle in vacuum mode, spray a small amount of He. If leak rate exceeds set point, the alarm will sound. Push **START/STOP** to end test. See page 2 for **SETPOINT & ALARM**.

Zero: At a leak rate signal of < 1x10⁻⁶ mbar l/s (example) push **ZERO** button.

-> Current leak rate signal of the system is subtracted. At active zero function leak rate display will change from < 1x10⁻⁶ mbar l/s to < 1x10⁻⁹ mbar l/s.

CONFIGURATION



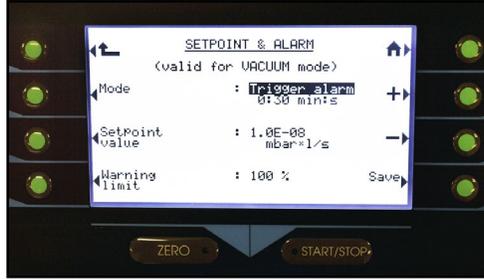
SETUP MAIN MENU

-> Push button

Setpoint & Alarm or

Test Settings or

Auto Test



SETPOINT & ALARM

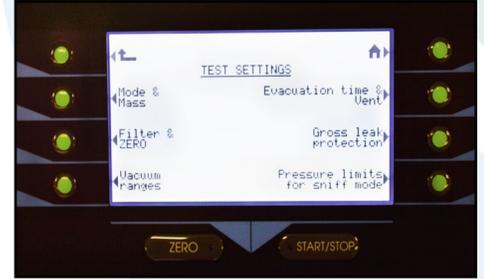
Trigger Alarm (time)

Setpoint Value (leak rate)

Warning Limit

-> Actuate changes with +/- button

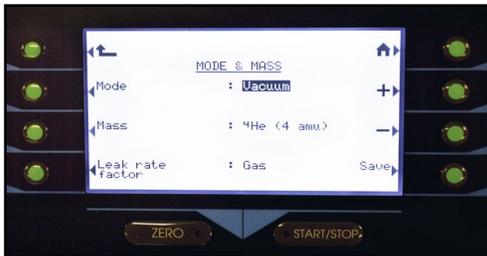
-> Save changes with **Save** button.



TEST SETTINGS

-> Push button

Mode & Mass



MODE & MASS

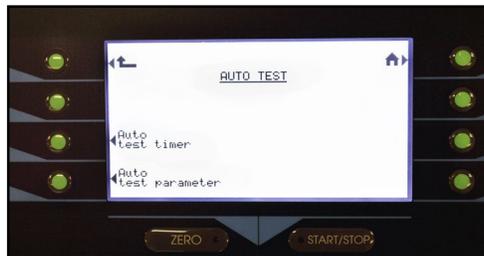
Mode: Vacuum, sniffing, or auto

Mass: ⁴He, ³He, H₂

Leak Rate Value: Gas, air, other value

-> Actuate changes with +/- button

-> Save changes with **Save** button.



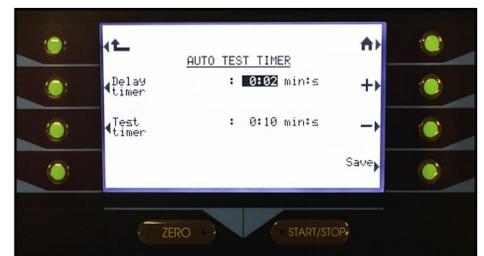
AUTO TEST

Designed for fast and automated leak test cycles.

-> Push button

Auto Test Timer or

Auto Test Parameter



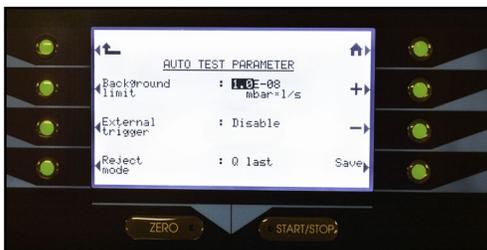
AUTO TEST TIMER

Delay Timer

Test Timer

-> Actuate changes with +/- button

-> Save changes with **Save** button.



AUTO TEST PARAMETER

Background Limit

External Trigger

Reject Mode

-> Actuate changes with +/- button

-> Save changes with **Save** button.



SNIFFING MODE

-> Connect sniffer probe LSP-01N-10 (option).

-> Mount testing connection blank and push **START/STOP** button to begin testing.