

ECO mode

This menu enables:

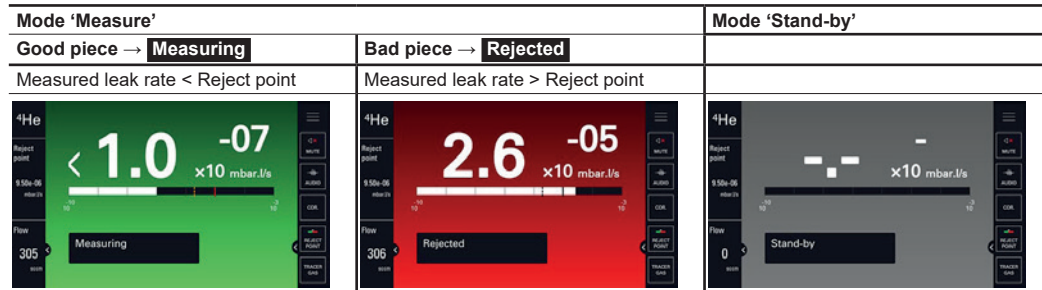
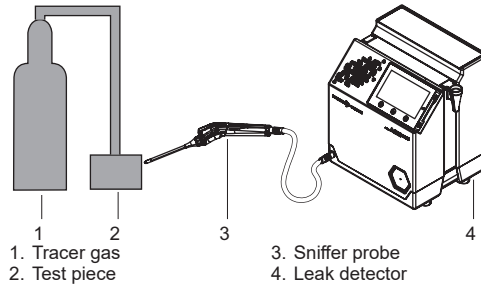
- Test launch via "Getting started with the probe".
- The test is stopped after 10 minutes of probe inactivity.
 - The probe stops automatically if the test was not stopped using the **START/STOP** button on the control panel.
 - The lifetime of the filters is preserved.

Start/Stop a test according to sniffer method

Note: ECO mode enabled.

The leak detector is designed to be used only with the manufacturer's sniffer probe (accessory at the expense of the user).

1. Install the sniffer probe before turning on the detector.
2. Set the switch/circuit breaker to I.
3. Wait for the detector to enter 'Measure' mode.
4. Test pieces according to graphic opposite.
 - Sweep slowly and from bottom to top, with the sniffer probe the areas of the piece to be tested that may leak.
 - The test result is displayed on the control panel.
5. To stop the test: put the sniffer probe down (do not hold it in your hand). The detector and the sniffer probe go into Standby mode after 10 minutes: screen display **Stand-by**.
 - The test can still be stopped by pressing the **START/STOP** button on the control panel.
6. Pick up the sniffer probe to restart a test: screen display **Measuring**.



External calibration

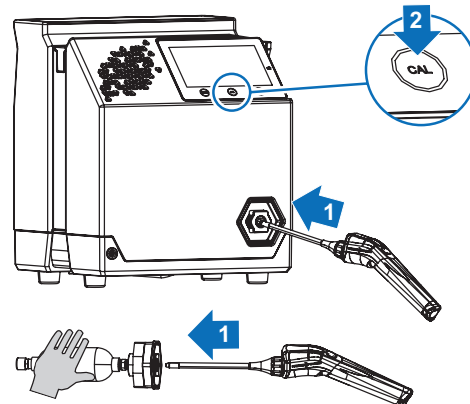
It is advisable to perform an external calibration:

- at least once a day,
- to optimize the accuracy of the measure,
- if it is uncertain whether the leak detector is working properly,
- for intense operation: start calibration at the beginning of each work session (e.g. work in shifts, every 8 hours).

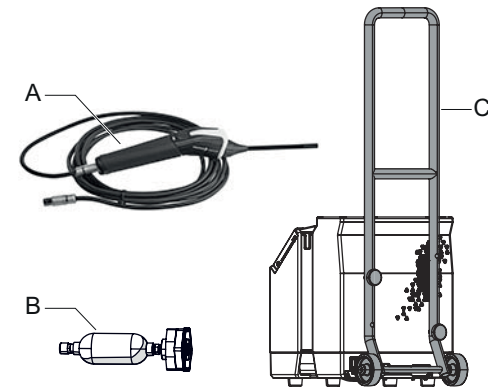
It is advisable to use a calibrated leak within the range of 10^5 mbar · l/s (10^{-6} Pa · m³/s), containing the set tracer gas.

1. Place the sniffer probe in the calibrated leak (calibrated leak in its storage area or manually handed).
2. Press the **CAL** button.
3. Follow the instructions given by the leak detector.

A calibration on concentration can be performed instead of an external calibration (see the leak detector operating instructions).



Accessories



| Description | Choice | Part number |
|----------------------------------|-----------------------|-------------|
| A Sniffer probe, rigid and short | with 2 m cable | PRB2H02HA |
| | with 5 m cable | PRB2H05HA |
| | with 10 m cable | PRB2H10HA |
| Sniffer probe, flexible and long | with 2 m cable | PRB2H02HD |
| | with 5 m cable | PRB2H05HD |
| | with 10 m cable | PRB2H10HD |
| B Calibrated leak ¹⁾ | 100 % ⁴ He | 127388 |
| | 100 % H ₂ | 127387 |
| C Transport cart | - | 114820 |

1) Value range: $3 \cdot 10^{-5} - 6 \cdot 10^{-5}$ mbar · l/s
 $3 \cdot 10^{-6} - 6 \cdot 10^{-6}$ Pa · m³/s

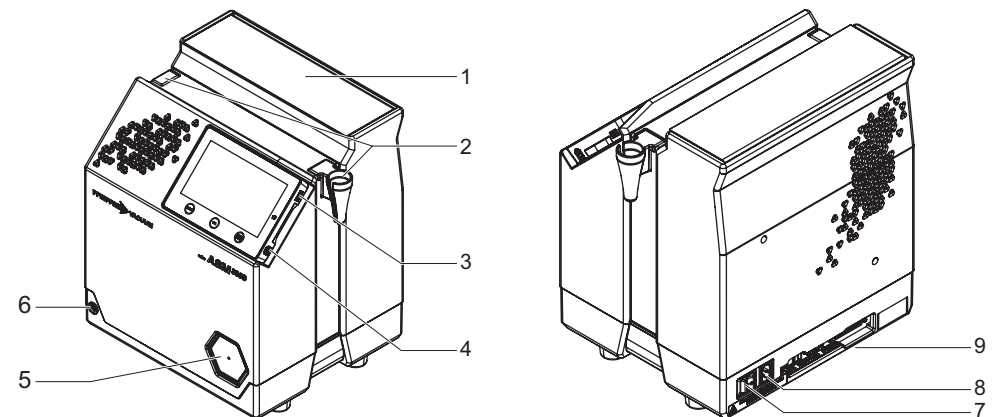
Calibrated leak lifetime ≈ 2 years.



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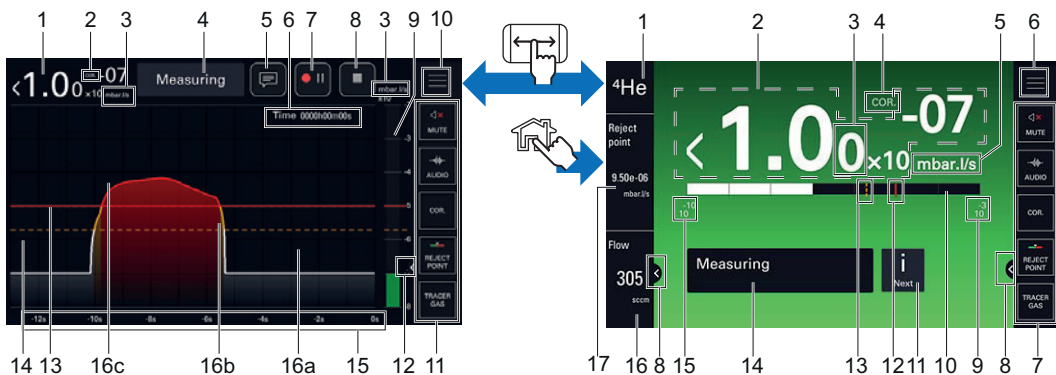
For further information, consult the operating manual delivered with the leak detector.

Detector interface



1. Storage box with partitions
2. Sniffer probe sheath fastening point
3. Connector for USB stick
4. Not used
5. Provisional cover for the calibrated leak storage area
6. Sniffer probe connector

7. Switch/Circuit breaker
8. Mains power supply
9. Communication interface according to configuration upon order



Graph screen

| Item | Function |
|-----------------|--|
| 1 | Digital display of the leak rate |
| 2 | COR indicator: correction factor applied |
| 3 | Leak rate unit |
| 4 | Current status of the detector |
| 5 ¹⁾ | Comments access |
| 6 ¹⁾ | Total recording time |
| 7 ¹⁾ | Start/Pause recording |
| 8 ¹⁾ | Stop the recording |
| 9 | Bargraph display of the leak rate <ul style="list-style-type: none"> Green bargraph: measured leak rate below the warning point Orange bargraph: measured leak rate between the warning point and the reject point Red bargraph: measured leak rate above the reject point |
| 10 | Access to Settings menus |
| 11 | Function key bar |
| 12 | Display/Hide an area |
| 13 | Set reject point (red plot) |
| 14 | Set warning point (orange plot) |
| 15 | Display Time |
| 16 | Plot of the tracer gas leak rate <ul style="list-style-type: none"> 16a - white plot: measured leak rate below the warning point 16b - orange plot: measured leak rate between the warning point and the reject point 16c - red plot: measured leak rate above the reject point |

1) Display according to recording settings

Main screen

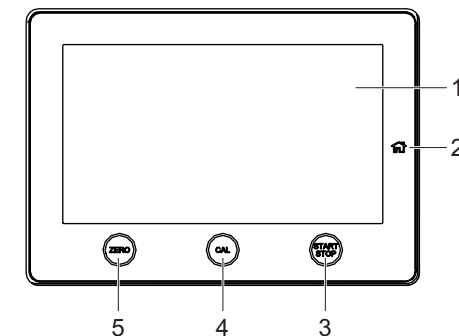
| Item | Function |
|------------------|--|
| 1 ¹⁾ | Tracer gas |
| 2 | Digital display of the leak rate Gray screen: detector in 'Stand-by' mode, no leak rate displayed (-,-, -10 ⁻) The color of the screen varies depending on the test result: <ul style="list-style-type: none"> green screen: measured leak rate below the reject point red screen: measured leak rate above the reject point |
| 3 | 2 nd digit display |
| 4 | COR indicator: correction factor applied |
| 5 | Leak rate unit |
| 6 | Access to Settings menus |
| 7 | Function key bar |
| 8 | Display/Hide an area |
| 9 | High decade (max) of the bargraph |
| 10 | Leak rate bargraph display (color according to test result) |
| 11 | i Next indicator: error/warning message to be viewed |
| 12 | Set reject point (red plot) |
| 13 | Set warning point (orange plot) |
| 14 | Current status of the detector |
| 15 | Low decade (min) of the bargraph |
| 16 ¹⁾ | Sniffer probe flow |
| 17 ¹⁾ | Digital display of the reject point |

1) Display only



Settings menu

| Menu | Functions |
|------------------------|--|
| [MEASURE] | <ul style="list-style-type: none"> Tracer gas Set points Correction factor Calibrated leak reference Target value Calibrated leak settings |
| [PROBE] | <ul style="list-style-type: none"> Probe flow unit Probe clogged Eco mode |
| [CONFIGURATION] | <ul style="list-style-type: none"> Unit Date Time Language Sound volume Screen settings Access/Password |
| [MAINTENANCE] | <ul style="list-style-type: none"> History Information Last maintenance operations Timers before next maintenance Maintenance turbo pump & cell Import/Export parameters |
| [FILE MANAGER] | - |
| [ADVANCED] | <ul style="list-style-type: none"> Input/Output Service |



1. Touch screen
2. [Home] Main screen access button
3. Start/stop a leak test
4. Start a calibration
5. Perform a ZERO

Screenshot

To take a screenshot, press simultaneously on the **ZERO** and **[Home]** buttons on the control panel.

- The screenshots are always saved in the internal memory. Name of screenshots: ScreenYYYYMMDD_HHMMSS (Example: Screen20210203_143302).

Periodicity of maintenance operations

Complete table of maintenance operations: see chapter "Maintenance intervals and responsibilities" of the leak detector maintenance manual.

| Frequency * | Maintenance operations to be performed |
|---------------------|---|
| Maintenance routine | Replacement of the fan filter and the sniffer probe filters |
| 15000 hours | Primary pump maintenance |
| 4 years | Turbomolecular pump maintenance |

* The periodicity of the indicated interventions is given for normal operating conditions. If the product operates under more difficult conditions, the periodicity of interventions should be shortened.

