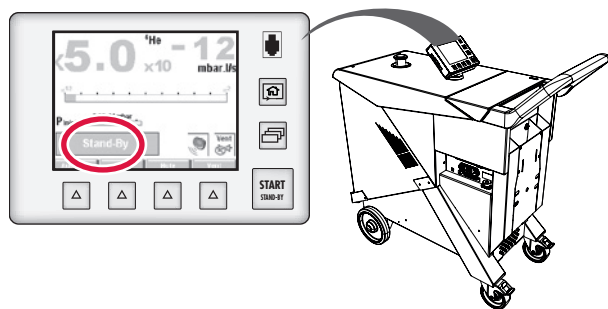
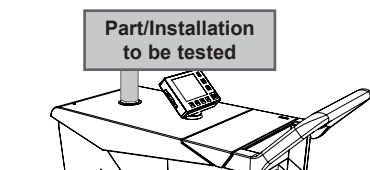


BASICS OF HELIUM VACUUM TEST

- 1 Detector switched on («I»): wait until stand-by mode.



- 2 Connect the leak detector to the part or installation to be tested.

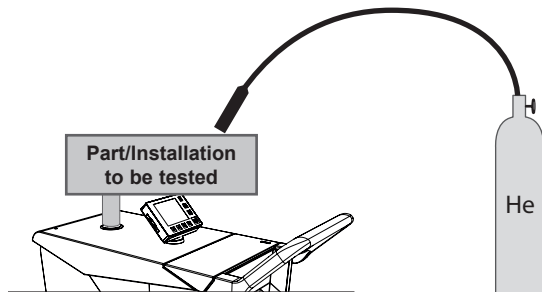


- 3 Start a cycle.

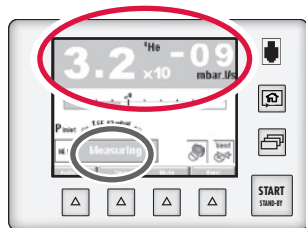


- 4 Wait Helium signal stabilization.

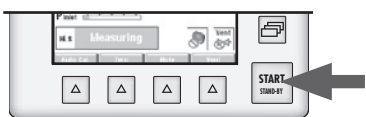
- 5 With a spray probe, spray Helium around the part or installation to be tested: start from the top.



- 6 Leak value measured and test result (accepted or rejected) according to the reject threshold display.

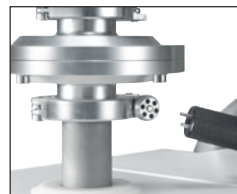


- 7 Stop the cycle.

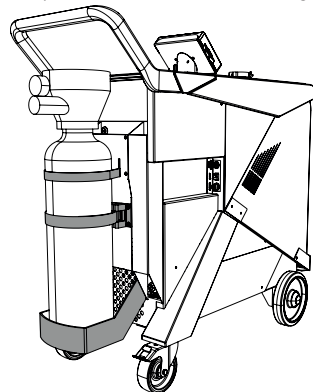


FEW ACCESSORIES AVAILABLE

- Locking clamp DN 40 ISO-KF
Part number 118801



- Bottle holder
Part number 126561
(bottle at the customer's charge)



- Spray gun
Part number 109951



- Long distance sniffer probe



Standard
Part number SNC1E1T1



Smart
Part number BG 449 208-T

- Remote control RC 10
Part number 124193



- Remote control (mbar-l/s)
Part number 106688



- Inlet filters
Available in bronze or stainless steel, meshing from 5 to 20 µm: consult us.



- ⁴He calibrated leaks
10⁻⁴ to 10⁻⁹ mbar-l/s range: consult us.



PFEIFFER VACUUM

Pfeiffer Vacuum GmbH
Headquarters
T +49 6441 802-0
info@pfeiffer-vacuum.de
www.pfeiffer-vacuum.com

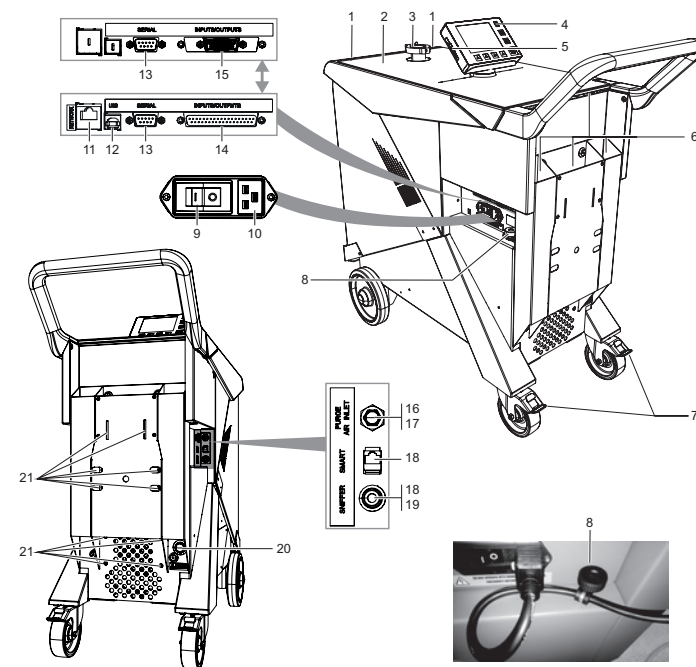


PFEIFFER VACUUM

**ASM 390/392
MEMO**

For further information, please refer to the Operating instructions supplied with your detector.

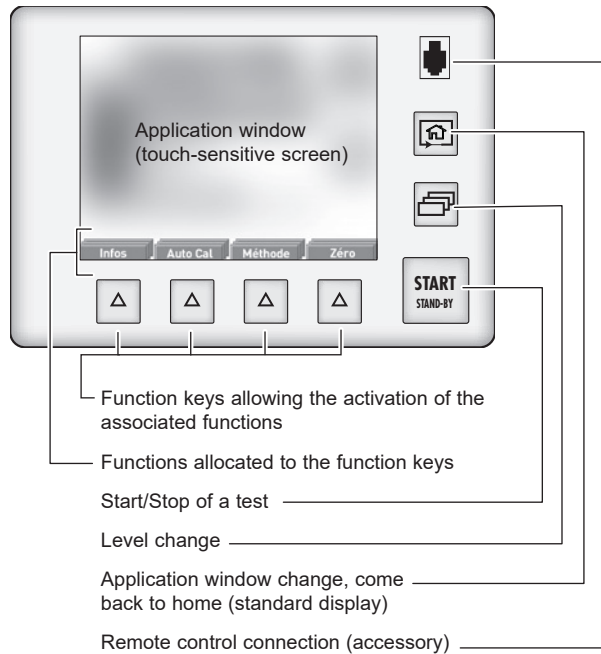
DETECTOR CONNECTIONS



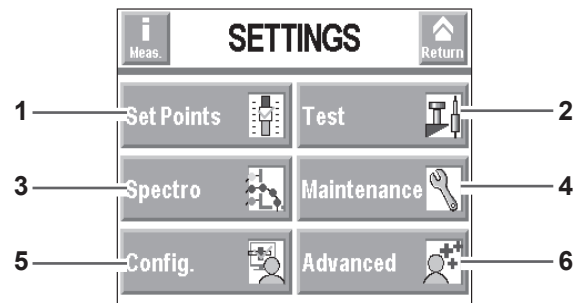
| | |
|----|---|
| 1 | Hose holder attachment point |
| 2 | Work surface |
| 3 | Detector inlet port (inlet) |
| 4 | Standard remote control connector ¹⁾ |
| 5 | SD card |
| 6 | Storage trays |
| 7 | Brakes |
| 8 | Attachment for securing the main power supply cable |
| 9 | Main switch/Circuit breaker |
| 10 | Power supply |
| 11 | Ethernet plug (NETWORK) ¹⁾ |
| 12 | USB plug (USB) |
| 13 | 9-pin D-Sub RS-232 serial link connector (SERIAL) |
| 14 | 37-pin D-Sub I/O com. interface connector (INPUTS/OUTPUTS) ¹⁾ |
| 15 | 15-pin D-Sub I/O com. interface connector (INPUTS/OUTPUTS) ¹⁾ |
| 16 | Inlet vent connector |
| 17 | Purge input connector |
| 18 | Smart sniffer probe connection (SMART SNIFFER) ¹⁾ |
| 19 | Standard sniffer probe connection (STANDARD SNIFFER) ¹⁾ |
| 20 | Exhaust for primary pump (EXHAUST) |
| 21 | Bottle holder attachment point ¹⁾ |

¹⁾ Accessory or option (at the customer's expense)

OPERATOR INTERFACE

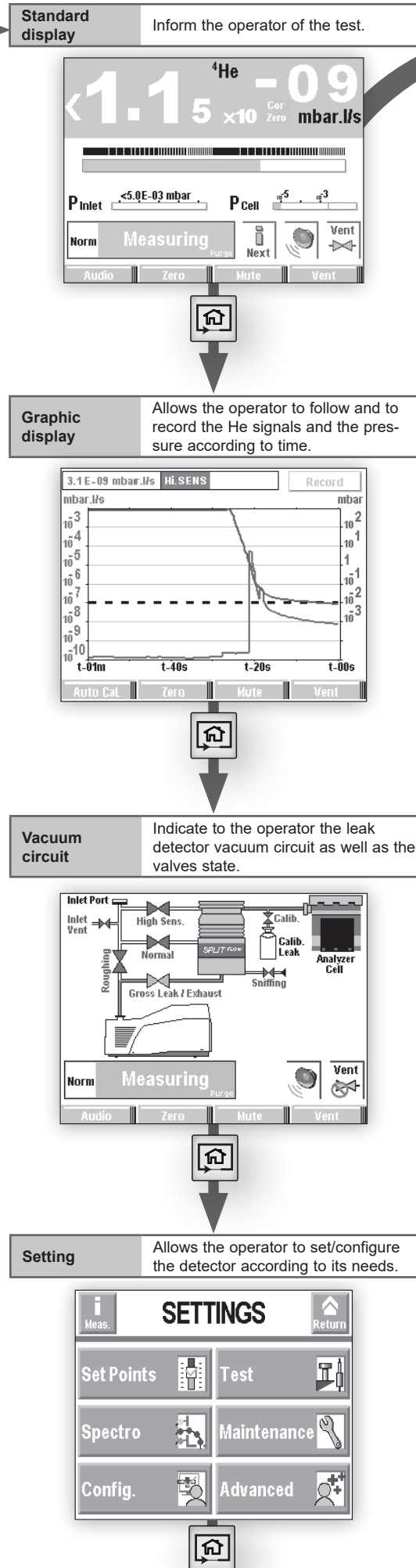


APPLICATION WINDOWS: SETTINGS

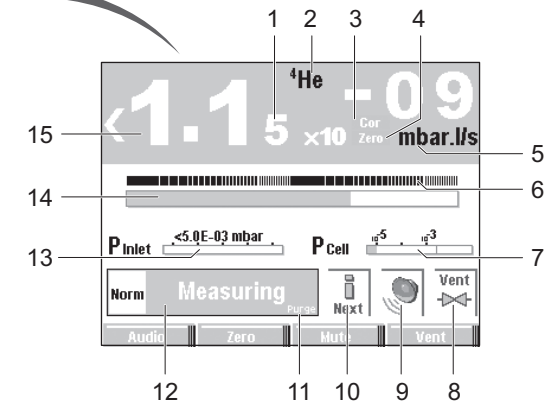


| | |
|---|--|
| 1 | Reject set point, audio level, digital voice, He max. |
| 2 | Test methods - Test mode Correction factor Cycle end - Air inlet |
| 3 | Tracer gas - Calibrated leak. |
| 4 | Maintenance timer General detector counter Detector information |
| 5 | Hour - Date - Unit - Language - Password - Screen |
| 6 | Advanced functions - Calibration SD card - Input/Output |

APPLICATION WINDOWS



APPLICATION WINDOWS: STANDARD DISPLAY



| | |
|----|--|
| 1 | Display 2nd digit |
| 2 | Tracer gas (3He, 4He or H2) |
| 3 | COR indicator: correction factor applied |
| 4 | 'Zero' function status indicator |
| 5 | Leak rake unit |
| 6 | Zero function 2 decade bargraph display |
| 7 | Cell or external gauge pressure bargraph display |
| 8 | 'Inlet vent' function status indicator |
| 9 | 'Mute' function status indicator |
| 10 | Indicator : error/warning message to be consulted |
| 11 | 'Purge' enabled function status indicator |
| 12 | Current status of the detector and Detection mode |
| 13 | Detector inlet pressure bargraph display (unit consistent with the leak rate unit) |
| 14 | Leak rate Bargraph display (adjustable scale) (color depends on test results) |
| 15 | Leak rate digital display The color of the screen varies depending on the test result: ● green screen: measured leak rate below the reject point ● red screen: measured leak rate above the reject point Gray screen: detector in stand-by |

INTERVAL MAINTENANCE OPERATIONS

| Frequency * | Maintenance operations to perform |
|----------------------------------|--|
| Routine maintenance | Cleaning/replacement of filters (inlet filter, air inlet filter, filters of the sniffer probe if used) |
| 2 years | Recalibration/exchange of the internal calibrated leak |
| 4 years | Maintenance of primary pump and turbomolecular pump(s) |
| 500 000 cycles or 4 years | Replacement of valves |

Complete table of the maintenance operations: refer to «Maintenance intervals and responsibilities» chapter of the Maintenance Instructions.

* The service intervals given are for applications and work rates which conform to the normal operating conditions. If the machine is operating under more difficult conditions they can be shortened.

