Calibrated leak values programming

Different types of calibrated leaks

Before to start an internal auto-calibration of the leak detector (with internal or external calibrated leak), the parameters of the calibrated leak used should be programmed by the operator.

The leak detector can be auto-calibrated :
- with an internal or external calibrated leak
- with different gases (Hydrogen and Helium 3) if it is equipped of the 3 masses option.

3 masses option C 220

Gas	Internal auto-calibration	External auto-calibration
Helium 4	X	X
Helium 3	-	X
Hydrogen	-	X

Whatever the type of calibrated leak used, the parameters programming is the same.

Alcatel does not supply the calibrated leaks in helium 3 and Hydrogen.

Access authorization

Do you have access to this operation/function? C 30

Programming the calibrated leak parameters

This operation can be made with the data written on the calibrated leak identification label or the calibration certificate delivered with it.
Example of identification label:

HELIUM CALIBRATED LEAK
Helium leak rate : 1.0x10-8 mbar.l/s at 20 °C
Date of calibration : 10 Dec 1997
% loss per year : 2 %
% increase per °C : 3 %

Note: At each time the operator modify the "Location" parameter, he should also re-adjust all the parameters (if necessary).

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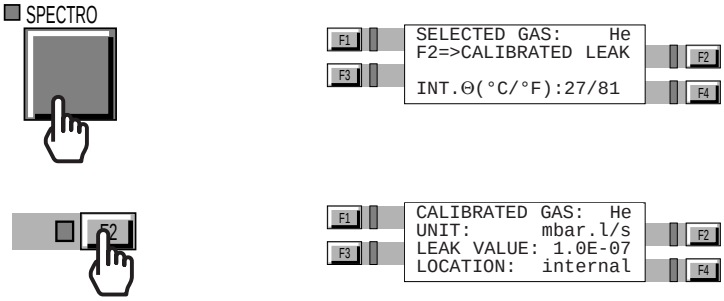
Calibrated leak values programming

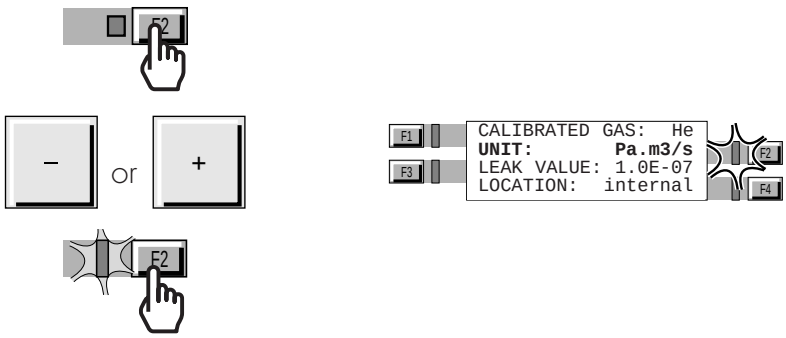
Procedure

Reminder *Operating principle of the control panel* C 20

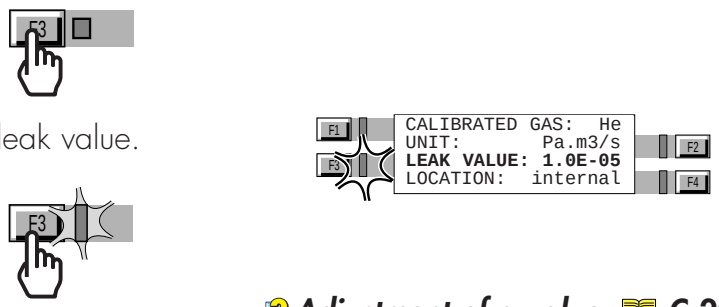
Press the key — activated



Unit used adjustment



Leak value adjustment



Adjustment of a value C 20

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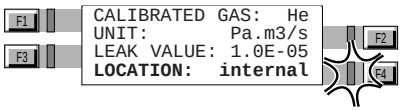
Calibrated leak values programming

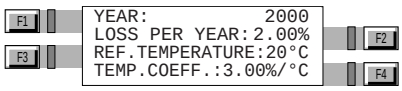
Leak location selection

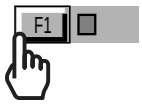
Note: The "Location" parameter (internal or external) concerned the location of the calibrated leak used for the auto-calibration and not the type of auto-calibration.

Adjust the location.

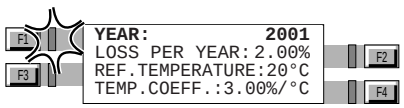


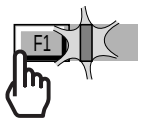
Calibration year adjustment





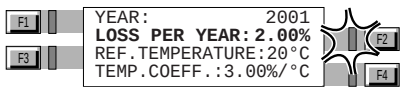
Adjust the year of calibration.





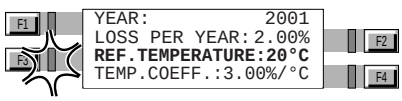
Loss per year adjustment

The procedure is the same as for adjusting calibration year but instead of pressing F1 , press F2 .



Reference temperature adjustment

The procedure is the same as for adjusting calibration year but instead of pressing F1 , press F3 .



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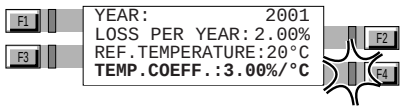
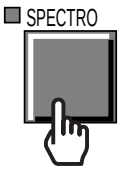
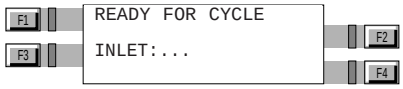
Temperature coefficient adjustment

The procedure is the same as for adjusting calibration year but instead of pressing F1 , press F4 .







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