



## Leak Calibrator 3925-0202



### In general

Quality management systems according to EN ISO 9000 ff require a periodical monitoring of the test instrumentation in use regarding accuracy and reproducibility.

To do this in an economic way the use of calibration equipment on-site is necessary.

The LEAK CALIBRATOR 3925-0202 is a portable, battery-operated and hand-held unit. The combination of a flow meter for small air flow and a precision needle valve makes it universally applicable.

### Operating principle

The leak calibrator is connected to the optional leak simulation port at the front of the 3925-0060 or by a T-connector in line between the leak tester and the test part.

The leakage is adjusted by an integrated needle valve (model 3925-0202). On the display the current leakage is shown in ml/min.

During the test the gas (air) flows through the needle valve and the flow sensor into the atmosphere.

Differences in atmospheric pressure are automatically compensated by the leak calibrator.

### Traceability

The traceability to national and international standards is guaranteed. The leak calibrator comes together with a manufacturer's certificate. It can/should be checked and recertified regularly.

### Features of the LEAK CALIBRATOR 3925-0202

- portable instrument
- LCD
- easy to operate
- result in NmI/min
- high accuracy
- bi-directional operation
- two-stage switchable attenuation
- zeroing and taring at a push of a button
- short response time
- low loss of pressure
- applicable up to 10 bar system pressure
- traceable to national and international standards
- supplied with manufacturer's certificate

## Leak Calibrator 3925-0202

### Technical Data

Measuring range:	0 ... 20 Nml/min other ranges on request: 0 ...200 Nml/min 0 ...300 Nml/min (3925-0201 only) 0 ...1000 Nml/min (3925-0201 only)
Accuracy:	Sub-range 0 ... 10% <0.15% Sub-range 10 ... 100% <1.5% of full scale respectively
Measuring units:	ml/min, l/min and m <sup>3</sup> /h
Display:	LCD
Response time:	approx. 20 msec
Max. Pressure:	10.0 bar
Flow rate:	max. 1 L/min
Calibration reference:	DIN 1343—23K (0°C) - 1013 mbar abs or DIN 102 (ISO 1-1975; DIN 6358 / ISO 8778: ISO 2533 )
Medium:	Compressed air, dry, oil-free and filtered
Ambient temperature:	0 ... 50°C
Medium temperature:	0 ... 70°C
Connection port:	M5 internal thread or for tube 2x1 mm
Dimensions:	185 x 85 x 37 mm (HxWxD)
Power supply:	2 x 1.5 V battery (IEC 6LF) or rechargeable battery connector for external power supply
Recorder output:	Linear 0 ... 2 V (1 mV/digit) 4 mm digital socket
Material:	ABS, antistatic
Weight:	500 g
Colour:	Black
Order-No.:	<b>3925-0201</b> (Leak Calibrator <u>without</u> needle valve) <b>3925-0202</b> (Leak Calibrator <u>with</u> needle valve)

