



Leak/Flow Calibrator

Calibration checking
for leak test instruments
and calibrated leaks/jets



- ✓ **4 TYPES OF MEASUREMENTS:**
 - LEAK/FLOW RATE
 - PRESSURE
 - ATMOSPHERIC PRESSURE
 - AMBIENT TEMPERATURE
- ✓ **SERIAL LINK AND INFRARED PORT**
- ✓ **THE BEST ACCURACY FOR A PORTABLE INSTRUMENT**

The Leak/Flow Calibrator allows the checking of the calibration of leak and flow measurement instruments, and of calibrated leaks/jets.

This portable, compact and user-friendly instrument is essential for checking the accuracy and repeatability of all leak and flow testers.

You can now guarantee the quality of your products, whilst also complying with the requirements of standards such as ISO 9000.



Main features

- Measurement in actual or ambient conditions
- USA and S.I. units
- Selection of languages
- Storage of 10 measured values
- Calculation of the mean value
- Possibility to program checking sequence
- Time/Date function
- Automatic sleep mode
- LCD display (4 x 20 characters)
- Easy connection to the test instrument
- Can be used in any position
- Ready for future developments: infrared port
- Precision needle valve
- Robust carry case
- Portable (battery + charger)
- 1 year's warranty

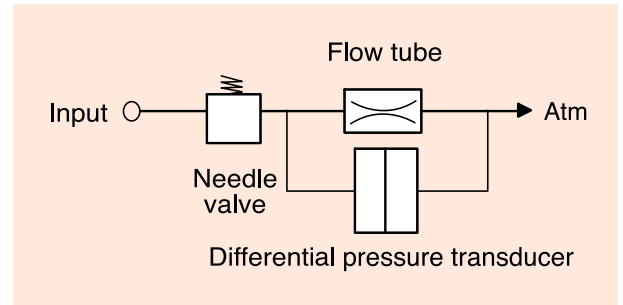


Applications

- Calibration checking of ATEQ leak detectors.
- Checking of any other type leak detectors.
- Capability studies and regular calibration check programs.
- Allows checking of leak test fixtures.

Principles of measurement

The Leak/Flow Calibrator is a multi-range flow meter measuring the flow by means of differential transducer sensing the pressure drop over a calibrated laminar flow tube. This pressure drop is directly proportional to the flow of the gas through this tube.



Measurement ranges



* under standard conditions
Optional: one extra range out of 3 available

MEASUREMENT	RANGE	ACCURACY <i>X = measured value</i>	RESOLUTION
LEAK 1*	0 to 2 ml/min	± 2% of X + 3 digits	0.001 ml/min
LEAK 2*	2 to 20 ml/min	± 2% of X + 3 digits	0.01 ml/min
LEAK 3*	20 to 200 ml/min	± 2% of X + 3 digits	0.1 ml/min
LEAK 4*	200 to 2 000 ml/min	± 2% of X + 3 digits	1 ml/min
LEAK 5* (OPTIONAL)	2 000 to 20 000 ml/min	± 2% of X + 30 digits	10 ml/min
LEAK 6* (OPTIONAL)	400 to 4 000 l/h	± 2% of X + 6 digits	2 l/h
LEAK 7* (OPTIONAL)	1 000 to 10 000 l/h	± 2% of X + 15 digits	5 l/h
PRESSURE	vacuum to 10 bar	± 1% of X + 9 digits	0.003 bar
ATM. PRESSURE	950 to 1050 mbar	± 1% of X + 3 digits	1 mbar
TEMPERATURE	+ 15 to + 35°	1%	0.1 °C

Technical features

■ Power supply

Battery, charger included (110 V or 230 V, 50/60 Hz)
Minimum battery operation: 5 hours

■ Operating temperature

+ 15 to + 35°C

■ Pneumatic connections

STAUBLI type quick release connectors

■ Interfaces

RS232 link via 9 pin subD connector and infrared port

■ Air supply

Dry and clean air is compulsory.
Air quality standard required ISO8573-1 class 4.4.3.

■ Physical

Weight: 3 kg
Size H x W x D: 345 x 192 x 85 mm



Specifications subject to change without notice



Head Office:

15, rue des Dames - ZI des Dames - 78340 Les Clayes-Sous-Bois - France
(: + 33 (0)1 30 80 10 20 - Fax : + 33 (0)1 30 54 11 00 - e-mail : info@ateq.com
www.ateq.com