

## CDF LEAK/FLOW CALIBRATOR

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

This portable, compact and user-friendly instrument lets you adjust very accurately your leak or flow rate with a real time reading on the display. You can now guarantee the quality of your products, whilst also complying with the requirements of standards such as ISO 9000.

### Highlights

#### MEASURE:

- DIFFERENTIAL PRESSURE
- FLOW
- PRESSURE
- TEMPERATURE



### 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

# CDF

## LEAK/FLOW CALIBRATOR

### Measurement ranges

Measurement	Range	Accuracy	Maximum Resolution
Leak 1*	0 to 2 ml/min	$\pm (2.5\% \text{ of } F + 0.003 \text{ ml/min})$	0.001 ml/min
Leak 2*	2 to 20 ml/min	$\pm (2.5\% \text{ of } F + 0.03 \text{ ml/min})$	0.01 ml/min
Leak 3*	20 to 200 ml/min	$\pm (2.5\% \text{ of } F + 0.3 \text{ ml/min})$	0.1 ml/min
Leak 4*	200 to 2000 ml/min	$\pm (2.5\% \text{ of } F + 3 \text{ ml/min})$	1 ml/min
Leak 5* (option)	2000 to 20 000 ml/min	$\pm (2.5\% \text{ of } F + 30 \text{ ml/min})$	10 ml/min
Leak 6* (option)	400 to 4000 l/h	$\pm (2.5\% \text{ of } F + 6 \text{ l/h})$	2 l/h
Leak 7* (option)	1000 to 10 000 l/h	$\pm (2.5\% \text{ of } F + 15 \text{ hPa})$	5 l/h
Pressure	Empty to 10 bar	$\pm (1.5\% \text{ of the pressure} + 15 \text{ hPa})$	0.003 bar
ATM Pressure	950 to 1050 mbar	$\pm (1\% \text{ of } X + 3 \text{ digits})$	1 mbar
Temperature	+ 15 to 35°	1 %	0.1 °C

F=Flow \* Only one option at a time for range [4] (choice of: leak 5 or leak 6 or leak 7)

Note: the above specifications are available for a CDF instrument posed on a horizontal surface and inclined with 45° with its rotary handle.

### Main features

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

### Technical Specifications

Physical	Weight: 3 kg Dimensions: (WxHxD) 345 x 192 x 85 mm
Interface	RS232 link via 9 pin subD connector
External electrical supply	100 - 230 V AC / 50/60 Hz Minimum battery operation: 5 hours
Air supply	Dry and clean air is compulsory Air quality standard to be applied (ISO 8573-1 class 4.4.3)
Temperature	Operating: +15°C to +35°C

