

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 |

