



Model 2023-1 Local Leak Rate Monitor

The Fluxion Technologies Model 2023-1 Local Leakage Rate Monitor is a small very portable single range device with a 1,000 to 1 turn-down ratio. This battery or wall powered unit is best suited for the quick and accurate measurement of small leaks in valves, fittings, and penetrations. These units employ the flow make-up method of leak measurement utilizing a color touch screen display with USB output.

In addition to a single flow measurement range, the monitor has a by-pass line to facilitate the quick filling of large volumes under test.

The 2031-1 may be ordered in any one of three full scale ranges, 10 slpm, 1 slpm, or 100 sccm.

Specifications

High accuracy pressure regulator

Maximum inlet pressure: 170 psig

Regulated outlet pressure: 0 to 90 psig

Isothermal spring for temperature compensation

Flow meter

Range: 0.1 to 100% of full scale, 1,000 to 1 ratio

Accuracy: $\pm 1\%$ of reading or $\pm 0.1\%$ of full scale
whichever is greater, after tare

Repeatability: $\pm (0.1\%$ of reading + 0.02% of full
scale)

Typical response time: less than 10 ms

Test pressure

Full scale: 100 psig or user specified

Accuracy: 0.5% of full scale after tare

Typical warm-up time

Less than 1 second

Power

24 Vdc wall power supply or 24 Vdc plug In battery
pack

Dimensions: 18.2" x 13.4" x 6.7"

Weight: 17 pounds

