



CHALLENGER[®]
AIR FLOW CALIBRATOR

- Precise air flow calibration from 1-30 lpm
- Wide temperature range of -30° to +55° C
- Displays both actual and standard flow rates
- Simple operation with no moving parts
- Truly portable, battery powered calibrator

Introducing the Challenger[®] air flow calibrator for verifying and calibrating Industrial Hygiene Air Sampling Instruments. The Gilian Challenger[®] is unsurpassed, when it comes to reliability and features. The instrument is highly accurate and includes temperature and barometric pressure display.

The heart of the Challenger[®] is the Venturi. It is made from aluminum, has no sharp edges and no moving parts. It offers a 90% recovery of pressure drop which is key when performing a calibration. Because flow through the instrument is uninterrupted our graphic software provides a continuous output display of all functions. This continuous output makes it very simple to configure The Challenger[®]. Each unit is furnished with a NIST Traceable Certificate and after adding batteries (4 AA cells) the Challenger[®] is ready to run out of the box.



Product Specifications

Run Time	20 hours minimum
Flow Rate.....	1-30 lpm
Operational Temp	-30° C to 55° C
Reading Temp.....	-30° C to 55° C (± 0.5° C)
Barometric Range.....	400 to 800 mm of Hg (± 5mm) (534 to 1066 millibars)
Accuracy.....	0.75% of reading or better
Dimensions	1.59 in. (4.04 cm) H X 3.90 in. (9.91 cm) W X 7.70 in. (19.61 cm) H
Power.....	4 AA Alkaline batteries
Weight	w/ 1 venturi 7.4 oz (209 g)