



# 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 and other air sampling devices. The Challenger® is accurate within 0.75% of reading and provides a LCD indication of Volumetric and Standard flow rate, barometric pressure and ambient temperature.

The heart of The Challenger® is the Venturi. It is made from aluminum and has no sharp edges or moving parts. The instrument, depending on the configuration, is capable of covering the flow rate range of 1 to 30 LPM. The Challenger® offers a 90% recovery of pressure drop which is key to performing a reliable 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 immediately ready to meet your calibration needs.

**P/N: 811-9911-03 The Challenger® Air Flow Calibrator from Gilian – Deluxe Kit 1 to 30 LPM. Includes Venturi for high and low flow calibration**

**Gilian®**



### 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)
Approval.....	CE NIST Traceable

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