

TE-PRO-CAL

Low Volume Calibration System

The TE-PRO-CAL is an advanced low volume calibrator that can be used to calibrate low-volume air sampling equipment such as the TE-Wilbur low volume sampler, the BGI PQ200, Thermo Partisol and other low-volume instruments that operate at 16.67 lpm. The system utilizes a precision-machined venturi to generate a differential pressure proportional to the flow rate that is not affected by temperature variations or humidity. The calibrator is mounted directly to the sampler's inlet downtube for easy use and quick calibration of field instrumentation. The calibrator is powered by 4 AA batteries. It is shipped with the calibrator, a NIST traceable calibration certificate, 4 batteries, filter temperature probe and rugged carrying case.



Specifications

Parameters

Flow Rate Units:	LPM or SLPM	Ambient Temperature Units:	Celsius
Flow Rate:	5 - 20 SLPM	Ambient Temperature Range:	-40 - 55°
Flow Rate Accuracy:	0.75%	Ambient Temperature Accuracy:	± 0.1 C
Barometric Pressure Units:	mmHg	Temperature Probe Units:	Celsius
Barometric Pressure Range:	400 – 800 mmHg	Temperature Probe Range:	-40 - 55°
Barometric Pressure Accuracy:	± 3 mmHg	Temperature Probe Accuracy:	± 0.1 C
Relative Humidity Range:	0 - 100%	Operating Temperature Range	-20 - 55°
Relative Humidity Accuracy:	± 1.5%		

Dimensions

Handheld Dimensions:	4" wide x 6.25" height x 1.25" depth
Calibrator Head	7.25" tall, 5" diameter
Carrying Case	16-11/16" length x 13-3/8" width x 6-13/16" height
Shipping Weight	10 pounds, 17 x 14 x 8"

Included Accessories

Carrying case	NIST traceable calibration certificate
Hand-held unit	Filter temperature probe
Calibration head with connection cable	4AA Batteries