

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

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| 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

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| 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

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