

## deltaCal - Air Flow Calibrator

### deltaCal Volumetric Air Flow Calibrator

Designed to go anyplace, indoors or out. From the top a 15,000 ft mountain to a 55° C desert or a -30° C snow field. The deltaCal is pulsation free, accurate to less than 0.75% of the flow rate reading. Output screens show both Actual and Standard flow rates. This feature is applicable to every calibrator that we have ever produced and will be applied, during a recalibration, to every instrument at no charge.



### Features

- Venturi-based calibrator
- Fully NIST-traceable
- 0.75% accuracy per reading
- One switch (off/on) operation -- all data displayed on screen
- No moving parts, completely silent
- 20 hour battery life (4-AA)
- Furnished with universal power supply (120/240 VAC)
- Supplied software, with download and reporting capability

### deltaCal Specifications

<b>Flow Rate Range (3 Models):</b>	1.5 – 19.5 LPM - DC1 10 – 60 LPM - DC100 0.8 -- 3.5 LPM - DC200
<b>Temp Operational Range:</b>	-30° C to 55° C (EPA requires up to 40° C)
<b>Temp Reading Range:</b>	-40° C to 55° C
<b>Baro. Pressure Range:</b>	400 to 800 mm of Hg (U.S. version) 534 to 1066 millibars (Euro version)
<b>Dimensions of Measuring Head:</b>	5 in. Max OD (12.7 cm) X 10 in. high (25.4 cm)
<b>Dimensions of Control Module:</b>	8 in. high (20.3 cm) X 4 in. wide (10.15 cm) X 1.7 in. thick (4.32 cm)
<b>Combined Weight:</b>	2.2 lbs (1 kg)

### Hand-Held Temperature Probe

<b>Length of Cable:</b>	33 in (83.8 cm)
<b>Length of Probe:</b>	5 in. (12.7 cm)

## Applications

- Calibration and audits of PM<sub>2.5</sub> and PM<sub>10</sub> samplers in accordance with U.S. EPA requirements
- May be used on any sampler in the 1.5 to 19.5 LPM, 10-60 LPM, 0.8-3.5 LPM range
- Appropriate for field or indoor use
- Calibration of European PM<sub>10</sub> samplers operating at 38.4 LPM using the DC100
- Calibration of 50 LPM DICOT samplers and standard DICOT Samplers

## deltaCal Ordering Information

<b>Part # DC1:</b>	deltaCal (calibration range 1.5-19.5 LPM), complete in carrying case
<b>Part # DC100:</b>	deltaCal (calibration range 10-60 LPM)
<b>Part # DC200:</b>	deltaCal (calibration range 0.8-3.5 LPM), complete in carrying case
<b>Part # 188125:</b>	Adapter - deltaCal to 3/8 in. hose barb (use with SASS or TEOM)
<b>Part # DC11:</b>	Adapter - deltaCal to 1/2" Hose Barb
<b>Part # DC2:</b>	Extension Temperature Probe
<b>Part # DC3:</b>	120-240 Volt Power Supply
<b>Part # CA9030:</b>	Fitted Hard Carrying Case
<b>Part # DC6:</b>	Pressure Tap "O" Rings (4)
<b>Part # DC7:</b>	Venturi Thumb Screw – (1)
<b>Part # X010:</b>	Replacement Socket "O" Rings (2 sets of 2 rings)
<b>Part # /400-128:</b>	ReCert of deltaCal
<b>Part # /400-136:</b>	Pre-Cal/ReCert of deltaCal

*All calibrations include NIST Traceable certificate*