

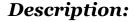
Custom Electronics Systems, Inc.

455 Forum Parkway Rural Hall, NC 27045

Pressure Drop and Ventilation Tester (CES 508)

Features:

- Measures pressure drop across a porous test sample. Initially designed for cigarettes but adaptable to any porous material.
- Accurately maintains and measures user settable air flow from o-100.0 ml/s
- Automatic pressure drop compensation (i.e. accounts for absolute pressure variations in the environment and test equipment)
- Accurately measures flow ± .75% ± LCD
- Accurately measures ventilation (0-100 %)
- Auto-zero for flow, ventilation, and pressure drop.
- Industry leading 6 Year Warranty



This instrument was designed and manufactured to meet your company's need to accurately and repeatably measure total flow and ventilation flow through a test sample cigarette in a temperature controlled environment.

Two of the key innovations in the CES 508 is its ability to automatically compensate for absolute pressure variations and performs an auto-zero before every test.



Specifications:

General

Size: 318 mm (h) x 534 mm (w) x 445 mm (d)

Total Flow

Flow Sensor: NIST Traceable w/Input Pressure Compensation

Flow Indicator: 3.5 digit LCD display, 13mm digit height, 3 readings / sec

Flow Zero: Automatic

Low Flow Range

Read Out: 0-19.99 ml/s Control Range: 2-19.99 ml/s

High Flow Range

Read Out: 0-100.0 ml/s

Control Range: 20-100.0 ml/s

Flow Control

Flow Control: Automatic (user settable)

Flow Accuracy: $\pm .75\% \pm LCD$ Flow Control Zero: Automatic

Pressure Drop

Drop Pressure Zero: Auto

Pressure Drop Range: 0-1200 mm / H20

Low Pressure Drop Range: 0-199.9 mm of H20 High Pressure Drop Range: 0-1200 mm of H20

Drop Pressure Indicator: 3.5 digit LCD display, 13mm digit height, 3 readings /

sec

Ventilation

Ventilation Pressure Indicator: 3.5 digit LCD display, 13mm digit height, 3

readings / sec

Flow Sensor: NIST Traceable w/Input Pressure Compensation

Low Ventilation Range: 0-19.99 ml/s High Ventilation Range: 0-100.0 ml/s