



## 100S Salt Aerosol Filter Tester



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### Meeting industry needs

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### A customer friendly design

The 100S incorporates many features and benefits useful to the end user including a contemporary and intuitive touch screen user interface.

Load testing has never been easier, quicker, and more accurate. "Set & forget" load testing allows the user to leave the instrument unattended due to automated, real-time flow adjustment coupled with logic that stops a load test when required. The patented aerosol generation system affords significantly reduced load testing times compared to the current industry standard – saving half the time.

An automatic aerosol solution refill system eliminates the need for mid-day solution replenishment.

### Easy maintenance

Routine maintenance and servicing is easily performed in the field with easily accessible components such as the aerosol generator and operational filters.

A maintenance mode allows the end user to perform full system diagnostics and troubleshooting from the touch screen or by remote workstation via USB connection.

#### Product specifications: 100S Salt Aerosol Filter Tester

##### **Dimensions:**

Size: 71cm W x 69cm D x 89cm H (28" W x 27" D x 34" H)  
Weight: ~ 150lbs (68kg)

##### **Aerosol:**

Size & Distribution: 0.075 $\mu$ m Count Median Diameter, 0.26 $\mu$ m Mass Mean Diameter  
Gravimetric Standard Deviation < 1.7

Concentration: 35 to 45 milligrams per cubic meter (mg/m<sup>3</sup>)

##### **Measurements/Operating Conditions:**

Efficiency: up to 99.9995%  
Pressure: 0 to 200 millimeters of water column (0 to 7.88 inches of w.c.)  
accuracy  $\pm$  2.5% of full scale  
Flow Rate: 10 to 120 liters per minute (slpm or alpm)  
accuracy  $\pm$  (0.4% of reading + 0.2% full scale)

##### **Utilities:**

Electrical: 110VAC/60 Hz or 220VAC/50Hz  
Compressed Air: 283 SLPM @ 5.6 kg/cm<sup>2</sup> (10 SCFM @ 80 PSIG)



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