

## F-2000™ Series Test Instruments

# NUCON®

## Model F-2000-HD Halide Detector

For In-Place Halide\* Leak Testing of  
Carbon (Charcoal) Filtration Systems



### F-2000-HD Halide Detector

#### Testing Applications

- Nuclear air and Gas Treatment Systems (Safety and Non-Safety Grade)
- High Efficiency Carbon (Charcoal) Air Filtration Systems
- Lab Fume Hoods/Exhaust
- Vapor Removal/Scavenger Systems

The NUCON Model F-2000-HD is the only *continuous* halide detector available that meets ANSI/ASME standards N510 and AG-1. The model F-2000-HD can be calibrated for Vppb level detection of most commonly used halide challenge tracer agents.

- Switchable Vppm/Vppb Ranges
- Direct Continuous Real Time Readout
- External "Zero" Air Filters For Easy Change-Out
- Built-in Integrator for Pulse Mode Detection
- Automatic Sample Flow Control
- Recorder Output
- Built-In Timer

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The NUCON® Model F-2000-HD Halide Detector is designed for field use. Operations, calibration and maintenance features make this detector easy to use and transport. Real time continuous display eliminates any need for "time-zero" calculation.



F-2000, Model F-2000-HD Front Panel

### Technical Specifications and Information:

<b>Sensitivity to Halides:</b> 1 Vppb	<b>Response Range:</b> 1Vppb to 50 Vppm (R-11) 1Vppb to 200 Vppm (1- Bromobutane)	<b>Size:</b> 6.5" (16.5 cm) H x 15.5" (39 cm) L x 8" (20 cm) D
<b>Sampling Volume:</b> 2000 ml/min (Electronically Stabilized)	<b>Response Time:</b> Less than 5 Sec.	<b>Weight:</b> 18 lbs. (8 Kg)
<b>Linear Range:</b> 1Vppb to 45 Vppm for (R-11) 1Vppb to 180 Vppm (1- Bromobutane)	<b>Accuracy:</b> ±10%	<b>Power Requirements:</b> 90-250 VAC 47-440 Hz OR 120-250 VDC
	<b>Recorder Output:</b> 2.0 V / 1mA (Short-circuit protected)	