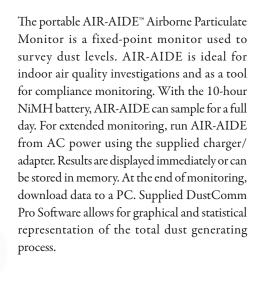
# **Portable Direct-reading Survey Tool**

- · High resolution and temperature stability
- Long-life air sample pump maintains accurate 2 L/min flow for particle separation
- Interchangeable size-selective impactors choose PM10, PM2.5, PM1.0, or ISO respirable (4.0  $\mu$ m)
- Selection of built-in calibration factors for fine and coarse particulate matter
- 10-hour rechargeable NiMH battery
  - Extended runs from AC power with supplied charger/adapter
- Large data storage capacity
  - Run continuously for up to 15 months without downloading
- On-screen programming of sampling and data storage parameters
- DustComm Pro Software (PC-based) included for downloading, basic trend analysis, and comprehensive graphical reporting
- · User-defined audible alarm
- · Location codes for tagging data
- Displays concentration in mg/m³ and TWA, STEL, Max, Min, date, and time
- Optional wireless data transmission to PC

Model AA 3500





## **AIR-AIDE Airborne Particulate Monitor**

#### Portable Direct-reading Survey Tool

### **AIR-AIDE Applications**

- Chromate

AIR-AIDE can be used for both indoor and ambient monitoring. It is an excellent assistant tool for OSHA/EPA/ASHRAE compliance methods.

- Exposure monitoring of dusts and aerosols including:
  - Lead
     Welding fumes
     Silica
     Construction dust
     Coal dust
     Wood/paper
     Concrete/cement
     Cadmium
     Nuisance dusts
     Tobacco smoke
     Construction dust
     Dry chemical
     Oil mists
     Grinding dusts
     Pharmaceuticals
     Spray paint
- Pre-determination of air quality for ventilation system design

- Grain

- Survey of workplace for compliance and related health reasons
- Monitoring indoor air quality in factories, offices, or homes for respirable particulates
- LEED Green Building indoor air quality investigations



Accuracy: ± 10% to filter gravimetric SAE fine test dust

**Resolution:** 0.001 mg/m<sup>3</sup>

Calibration: NIOSH gravimetric method, NIST traceable, SAE fine test dust

**Sensing Range:** 0.001 to 20.0 mg/m³ or 0.01 to 200 mg/m³ (*optional*)

Particulate Size Range: 0.1 to 100 μm

 $\begin{array}{ll} \textbf{Particle Size Measurement:} & 1~\mu m,~2.5~\mu m,~4.0~\mu m,~or~10~\mu m \\ \textbf{Precision:} & \pm~0.003~mg/m^3~(3~mg/m^3) \end{array}$ 

Sampling Flow Rate: 2 L/min

**Display:** Alphanumeric LCD, 4 lines, 20 characters,

mg/m³ concentration reading

**Operation:** Four-key splash-proof membrane switch

 Analog Output:
 0 to 2 VDC

 Alarm Output:
 90 dB at 3 ft

 Record Time:
 1 sec to 15 mos

Sampling Rate: Short-term: 2, 4, and 10 sec Long-term: 1, 10, and 30 min

**Memory and Time Storage:** > 5 years

Real-time Clock and Display: hours, minutes, seconds, day, month, year

**Data Storage:** 21,600 data points

**Data Display:** Concentration in mg/m³ and TWA, Max,

Min, STEL, date, time

Digital Output: RS-232

**Operating Temperature:** 14 to 122 F (-10 to 50 C) **Storage Temperature:** -4 to 158 F (-20 to 70 C)

**Software:** DustComm Pro Software for graphical and

data translation

Power: Rechargeable NiMH battery
Run Time: > 10 hrs (fully charged)

**Charging Time:** < 10 hrs

**Humidity:** 95% non-condensing

**Dimensions:**  $3 \times 6 \times 9 \text{ in } (7.6 \times 15.2 \times 22.9 \text{ cm})$ 

**Weight:** 5 lbs (2.3 kg)

#### Ordering Information

Description		Cat. No.
AIR-AIDE Monitor Kit includes monitor (0 NiMH battery, charger/adapter (100-240 V sleeve for TSP, DustComm Pro Software,	), rotameter, impactor	
manual		770-600
Accessories		
Impactor Grease		770-211
Size-selective Impactors		
	PM10	770-606
	PM2.5	770-605
	PM1.0	770-604
	Respirable (4 µm)	770-603
Wireless Data Transfer Radio Modem, 9	00 MHz,	
up to 1500-foot transmission		770-505X
Precipitation and Solar Cap		770-216
Tripod Mounting Stand for AIR-AIDE		770-607
Cleaning Kit includes dust-free air caniste	er, swabs, and	
lens tissue		770-305
Replacement Parts		
Calibration Standard	·	770-207
Impactor Sleeve for TSP		770-602
Battery Pack, NiMH		770-601





www.skcinc.com/warranty.