

# Digital Dust Monitor Model 3443



## Features:

- Measures PM 10 particle matters, such as dust, fume, and smoke
- Real-time and long term measurements of dust concentration
- Compact and Lightweight unit
- PC interface with USB and software for downloading data to your PC
- Analog output controls other devices
- Data logging up to 100,000 measurements and displays MIN / MAX / AVG and Timing graph for review
- Complete with rubber protector, shoulder strap, data processing software, USB cable, AC adapter, 2 pcs. LCD protective sheet, rubber cap, 2 pcs. filter, and calibration certificate



Software Included



With Rubber Protector

Specifications	
Model	3443
Measuring Method	Light Scattering
Particle Size Range	0.1 to 10 $\mu$ m
Measuring Range	0.001 to 10.000 mg/m <sup>3</sup>
Flow Rate	1.0 L/min
Datalogging	100,000 measurements
Interface	USB
Analog Output	0 to 1 V / Pulse / Alarm
Power Supply	AA Battery or AC 100 - 240 V
Dimensions	W6.7" x H2.7" x D4.3"
Weight	2.9 lbs (1.3 kg)

## Accessories

- 3442-01: Analog Output Cable
- 3442-02: Rubber Protector
- 3442-04: LCD Protective Sheet
- 3442-05: Carrying Case
- 3431-02: Rubber Cap
- 3431-03: Filter (10 pc)
- 6113-02: AC Adapter
- CX-440: Tripod

# CEGRIT Automatic Flyash Sampler

## Isokinetic Sampling for Particle Emission Testing

With no moving parts, each CEGRIT sampler collects a sample from one point in the boiler duct. Operating on duct vacuum to drive its atmospheric-air ejector, the CEGRIT maintains near-isokinetic sampling to keep collecting unbiased sample as boiler load and duct vacuum vary.

## Features:

- Operates continuously with no moving parts
- High efficiency sampling rate for fine pulverized dust
- Industrial construction
- Cyclone removes to facilitate periodic cleaning
- Two manometer tap points to monitor draft pressure

## Applications:

- All combustion or other processes where airborne particle emission occur
- Smoke and particle emissions or grit burdens from boiler stacks
- Carbon determination in Fly ash
- Incinerator emission compliance



## Accessories

- C8406: Probe (2 m)
- C8408: Probe (3 m)
- C8407: Probe Extension (10 ft)
- C3101: Inlet Nozzle 1/2" (12.7 mm)
- C3102: Inlet Nozzle, 5/8" (15.9mm)
- C3103: Inlet Nozzle, 3/4" (19.0 mm)
- C3104: Inlet Nozzle, 3/8" (9.5 mm)
- C5019: Heater Jacket, 100W, 240 Volt
- C5020: Heater Jacket, 100W, 110 Volt