



The YESDUST is a general purpose particulate sensor for use with a YES multi-channel monitor (e.g. YESAIR and YES Plus LGA). It operates from an internal rechargeable nickel hydride battery pack and connects to the auxiliary port of the YES multi-channel monitor with the supplied interface cable. The measured readings are displayed as another sensor on the LCD display of the YES multi-channel monitor, and are also data logged to the YES multi-channel monitor internal flash card, if utilized.

YESDUST counts particulates between 1 and 10 microns in size. It has been designed for use as a general purpose indication of a particulate problem and should not be considered for applications requiring high accuracy such as "clean rooms".

KEY FEATURES

- » Low cost
- » Light weight
- » Quick response
- » Long life
- » Real time display on YESAIR or YES Plus LGA LCD
- » Data logs to SD flash card in YESAIR or YES Plus LGA
- » Rechargeable nickel hydride battery pack
- » Wall adapter for continuous operation
- » RoHS compliant circuit boards

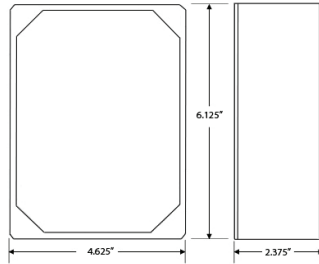
APPLICATIONS

- » Residential buildings
- » Commercial buildings
- » Hospitals
- » Laboratories
- » Research facilities
- » ... and many more



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TECHNICAL DRAWING



TECHNICAL SPECIFICATIONS

GAS TYPE

Particulates

MECHANICAL

Enclosure	General Purpose ABS
Weight	450 g (1.0 lbs)
Size	4.6" x 6.1" x 2.4" (118 mm x 156 mm x 60 mm)
Display	3 parameters, backlight, numerical LCD display

ELECTRICAL

Power	9V wall adapter for rechargeable Nickel Hydride rechargeable battery pack. Battery life: 5 hrs continuous on full charge
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SENSOR

Type	Highly sensitive, focused, infrared light beam. Self aspirated, convection.
Warm-Up Time	1 minute
Range	1 - 10 microns
Response Time (T_{90})	< 30 seconds
Operating Temperature	0°C to 45°C (32°F to 113°F)
Operating Humidity	0 - 95% RH non-condensing
Expected Life Span	Infrared light source estimated to be 7 years.
Resolution	250 particulates / cubic foot

ENVIRONMENTAL (sensor dependant)

Operating Temperature	0°C to 45°C (32°F to 113°F)
Humidity	15 - 90% RH non-condensing

PRODUCT CODES

Particulate sensor, 1-10 micro meters	YES-DUST
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