



PRODUCT SPECIFICATIONS

YES DUST Particulate Sensor

SPECIFICATIONS

Enclosure:	Material: General Purpose ABS Size: 6.1" High (156 mm) X 4.6" Wide (118 mm) X 2.4" Deep (60 mm) Weight: 450 g (1.0 lbs)
Sensor:	Highly sensitive, focused, infrared light beam, Self-aspirated, convection Life span: Infrared light source estimated to be 7 years
Detectable:	Particle size: 1 to 10 μm (micro meters) Smoke, dust, pollen, spores
Response Time (T_{90}):	< 30 seconds
Resolutions:	250 particles per cubic foot
Sample Method:	Diffusion
Measurement Range:	7000 $\mu\text{g} / \text{m}^3$
Usage:	Must be used in vertical position ONLY
Operating:	Temperature: 0 to 40°C (32 to 104° F) Relative Humidity: 15 to 95% non-condensing
Power:	Integral nickel metal hydride NiMH rechargeable battery pack (9V) Wall adapter / battery charger 9VDC (included)
Stabilization:	After power on, warm up time is a minimum of 1– 2 minutes
Indicators:	Tri-colour LED "COMM" Red: Not connected, looking for YES AIR or YES Plus LGA host Green: Found host, communicating and data logging Tri-coloured LED "CHARGE" Red: Running on battery power and needs to be charged Green: Battery fully charged Amber: Battery is being re-charged (YES DUST must be shut off)
Operation:	Slide switch ON/OFF
Displayed value:	The displayed value of the YES DUST reading is indicated on the YES AIR LCD display as thousands of particles per cubic foot. The LCD actually shows: PTS 000.0 $\frac{1000}{\text{FT}^3}$ Maximum displayed value on YES AIR LCD: 800.0 This translates into 800,000 particles per cubic foot

Reviewed 06-06-2017