



### Fitur dan Kemampuan

- Li-ion battery yang dapat dicharge
- Real time graph display
- Pengukuran kelima ukuran debu partikel secara bersamaan PM1, PM2.5, Respirable, PM10 dan Total Debu.
- Layar sentuh berwarna memudahkan operasional penggunaan dan setting alat
- Transfer data dari alat ke computer lebih mudah karena menggunakan kabel USB
- Setting alarm Short Time Exposure Limit (STEL)
- Dapat diintegrasikan menggunakan enclosure dan pompa tambahan untuk monitoring 24 jam dan memantau cemaran debu partikel suatu lingkungan secara nonstop dan realtime.

### DUSTTRAK™ DRX Aerosol Monitor Models 8533

Dustrak DRX adalah satu-satunya alat aerosol monitoring yang dapat melakukan pengukuran jenis partikel dan massa partikel dalam waktu yang bersamaan. Dengan technology 90°, light scattering laser memberikan data akurat secara realtime untuk pengukuran aerosol (debu partikel) untuk ukuran : PM1, PM2.5, Debu Respirable, PM10 dan total debu secara bersamaan. Cocok untuk pengukuran debu partikel yang membutuhkan hasil cepat.

### Aplikasi Pengukuran

- *Industrial/ occupational hygiene surveys Indoor air quality investigations*
- *Outdoor environmental monitoring Baseline trending and screening*
- *Point source monitoring*
- *Engineering control evaluations Engineering studies*
- *Remote and process monitoring Epidemiology studies*
- *Aerosol research studies*

## REGULASI

Peraturan Pemerintah Republik Indonesia Nomor 22 Tahun 2021  
Tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup

Your Connection for Occupational Health, Safety & Environmental Monitoring



## HEALTH AND SAFETY

### Specifications

Models 8533

DusTrak™ DRX Aerosol Monitor

#### Sensor Type

90° Lights scattering

#### Particle Size Range

0.1 to 15µm

#### Aerosol Concentration Range

8533 Desktop 0.001 to 150 mg/m<sup>3</sup>

#### Display

Size Segregated Mass Fractions for PM<sub>1</sub>, PM<sub>2.5</sub>, Respirable, PM<sub>10</sub> and Total. All displayed

#### Resolution

±0.1% of reading or 0.001 mg/m<sup>3</sup>, whichever is greater

#### Zero Stability

±0.002 mg/m<sup>3</sup> per 24 hours at 10 sec time constant

#### Flow Rate

3.0 L/min

#### Flow Accuracy

±5% of factory set point, internal flow controlled

#### Temperature Coefficient

+0.001 mg/m<sup>3</sup> per°C

#### Operational Temp

32 to 120°F (0 to 50°C)

#### Storage Temp

-4 to 140°F (-20 to 60°C)

#### Operational Humidity

0 to 95% RH, non-condensing

#### Time Constant

User adjustable, 1 to 60 seconds

#### Data Logging

5 MB of on-board memory (>60,000 data points)

45 days at 1 minute logging interval

#### Log Interval

User adjustable, 1 second to 1 hour

#### Physical Size (HWD)

Desktop 5.3 x 8.5 x 8.8 in. (13.5 x 21.6 x 22.4 cm)



## Exposure Monitoring



#### Weight

Desktop

3.5 lb(1.6kg), 4.5 lb(2.0kg)–1 battery,  
5.5 lb (2.5 kg)–2 batteries

#### Communications

USB (Host and Device) and Ethernet. Stored data accessible using flash memory drive

#### Power-AC

Switching AC power adapter with universal line cord included, 115–240V AC

#### Analog Out

User selectable output, 0 to 5V or 4 to 20 mA

User selectable scaling range

#### Alarm Out

Relay or audible buzzer

Relay

Non-latching MOSFET switch

User selectable setpoint

–5% dead band

Connector 4-pin, Mini-DIN connectors

#### Screen

5.7 in. VGA color touch screen

#### Gravimetric Sampling

Removable 37 mm cartridge (user supplied)

#### Certifying

Immunity EN61236-1:2006

Emissions EN61236-1:2006

### Jenis Industri :



Industri Farmasi



Laboratorium Jasa



Rumah Sakit



Universitas



Minyak dan Gas



Konsultan Bangunan



Pemerintah



Pertambangan



Industri Semen



Industri Makanan & Minuman



Industri Pupuk