

# ENVIRONMENTAL DUST MONITOR

EDM-2010

## FEATURES

- 1 Can be used outdoors also.
- 2 Have a function as an area monitor.
- 3 Automatic Zero & span calibration by special CPU.
- 4 You can monitor the escape of scattered dust to nearby residents.
- 5 Available to measure dust concentration for 24 consecutive hours.
- 6 As it uses synchronous detection method, it is uninfluenced by other lights as sunlight or whatever.
- 7 It correspond the measurement of dust concentration report of the Industrial Safety and Health Law, you can grasp the quantitative data.
- 8 Built-in air purge mechanism ensures long term, maintenance free measurement



## DESCRIPTION

By Industrial Safety and Health Act (Japanese law), dust density measurement and reporting, on a regular schedule is necessary. However, the dust density changes from moment to moment at work environment and tendency supervision by sequential measurement is effective manner for being kept to the minimum of worker's health damage.

Until now, there have been dust density measurement with batch method, but there was not environmental monitor with dust density measurement for process which able to use as maintenance-free for long-term.

Environmental dust monitor "EDM-2010" was commercialized by EMS joint order-receiving team of environment & energy "UAC-NET" based with the technique of light scattered dust concentration meter which cultivated at K.K. Tanaka denki kenkyusho for a long time.

It can also be used for monitoring the dust scattering environment - at workplace as well as scattered dust, the site where industrial waste, coal and ironstone are piled up outside in the yard.

4-20mA instrumentation analogue output signal from this Environmental dust monitor can be used for ...

1. Continuous monitoring for dust density at working environment and output to evidence automatically.
2. The power control by the dust density is possible to make "Energy saving" by combining the inverter, the fan, and the dirt collector as a system.



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