



# Online SPM Analyser

(Opacity Based)

For Continuous Emission Monitoring System-CEMS



## Introduction

The Online SPM Analyser is a measuring device for dust at low to high concentrations. Basic measuring value is transmittance. Opacity and extinction can be calculated and displayed as well as the dust concentration after gravimetric calibration. The device has an integrated contamination check.

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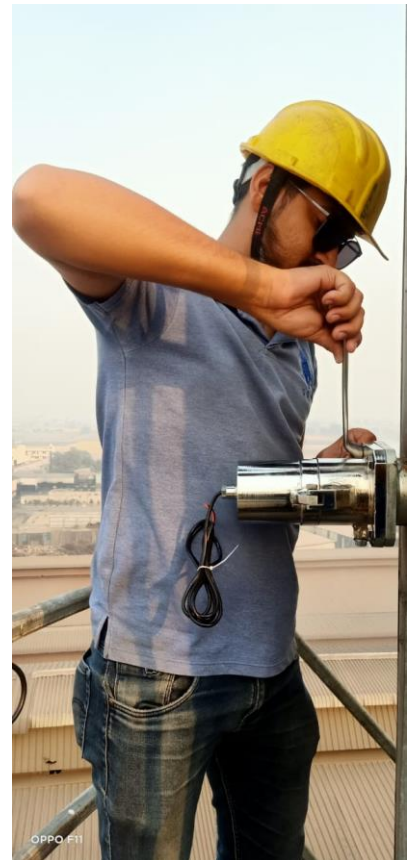
## Features

1. On-line Continuous monitoring of SPM for various emission sources
2. Combined techniques ,adaptive stabilization, dynamic adaptive phase-lock amplification
3. Very low zero drift ,long inter calibration duration.
4. Compact ,easy to install, anti-lightning ,high adaptability, low cost and less maintenance.
5. E2E based design and development of cloud server connectivity modem.



## Fields of application

- Emission monitoring of power stations and waste incineration plants
- Monitoring of filter plants
- Monitoring of dust loads in factory workshops
- Process control of ventilation plants and exhaust systems



# Technical Specification

Types	Details
Measurement principles	Transmittance measurement
Measuring ranges:	0 to 1000 mg/nm³
Process temperature:	-40 ... +600 °C
Performance tested measured	Dust concentration
Process pressure:	With external purge air unit: -50 ... 30 hPa With control unit MCU-P: -50 ... 2 hPa
Duct diameter:	non-condensing Duct diameter: 0.5 ... 2.5 m 2 ... 5 m 4 ... 12 m
Electrical safety:	CE
Operating Humidity	100
Gas Temperature	+600