

TH-2000-OU Online Odor Monitoring System

TH-2000-OU

A modular online system for continuous odor, selected gas and optional meteorological monitoring.

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Continuous odor and associated gas monitoring

TH-2000-OU is an online odor monitoring system for tracking odor concentration and selected odor-related gases at industrial and environmental sites. The documented measurement scope includes odor units and configurable gas factors such as ammonia, hydrogen sulfide, volatile organic compounds and sulfur compounds.

Sampling, gas conditioning, sensing, data processing, local display and communication are integrated in a modular enclosure. Optional particulate and meteorological measurements can be added, while the final monitoring factors and ranges are defined for the project.

Technical data

Dimensions	600 × 400 × 220 mm stainless-steel cabinet
Display size	7 in
Data storage	16 GB
Sampling method	Diffusion
Measurement factors	Project-configured multi-factor monitoring. The specific measurement factors are confirmed for each project.
Sampling option	Cabinet circulation diffusion; sampling pump optional
Wireless options	4G/5G, 433 MHz, NB-IoT and LoRa configurations
Power supply	220 V AC
Protocols	Modbus and HJ/T 212

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
4G	Optional	
LoRa	Optional	
NB-IoT	Optional	

Supported Gas Configurations

Each row describes one supported gas and measuring range. It does not identify an installed detection channel or an orderable part number. Gas combinations, sensor compatibility and the final configuration require technical confirmation.

Gas	Measuring range	Resolution / notes
Hydrogen Sulfide (H ₂ S)	0-10 mg/m ³	0.01 mg/m ³
Ammonia (NH ₃)	0-10 mg/m ³	0.01 mg/m ³
Volatile Organic Compounds (VOC)	0-10 mg/m ³	0.01 mg/m ³
Carbon Disulfide (CS ₂)	0-10 mg/m ³	0.001 mg/m ³
Styrene (C ₈ H ₈)	0-10 mg/m ³	0.001 mg/m ³
Odor Concentration (OU)	0-2,000 dimensionless	1 dimensionless
Trimethylamine (C ₃ H ₉ N)	0-10 mg/m ³	0.001 mg/m ³
Methanethiol (CH ₄ S)	0-10 mg/m ³	0.001 mg/m ³
Dimethyl Sulfide (C ₂ H ₆ S)	0-10 mg/m ³	0.001 mg/m ³
Dimethyl Disulfide (C ₂ H ₆ S ₂)	0-10 mg/m ³	0.001 mg/m ³

Document scope

This summary records the approved model data shown on the product page. It is not an operating manual, installation approval or certificate. Review the applicable certificate record and exact model or configuration scope separately. Request the operating instructions for the supplied configuration before installation or use.

Product information and inquiry: <https://www.erantex.com/products/th-2000-ou/>