

TH-2000-C Gas Sample Conditioning and Online Monitoring System

TH-2000-C

A project-configured system for sampling, conditioning and analyzing hot or humid process gases.

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Integrated sampling and gas conditioning

TH-2000-C is an online monitoring and sample-conditioning system for emissions, flue gas, desulfurization and denitrification processes, boiler exhaust and wastewater-pipeline applications. It combines a sampling unit, gas-conditioning unit and analysis unit in a project-configured system.

The conditioning stage can cool the sample, remove moisture, filter dust and tar, separate condensate and regulate flow before gas analysis. Target gases, ranges, analysis principles, sampling distance and thermal-conditioning options are selected for the actual process conditions.

Sample temperature and transport distance

Standard sampling covers process temperatures from -40 to 600 °C; configurations up to 1300 °C are optional. The standard sampling distance is 30-40 m. An optional jet or vacuum pump supports distances over 70 m.

Technical data

Ingress protection	IP66
Dimensions	500 × 350 × 850 mm (L × W × H)
Operating temperature	-40 °C to 70 °C
Sampling method	Pump
Weight	Approx. 40 kg
Display size	7 in
Documented measurement media	SO2, NOx, O2, CH4, CO, CO2, NH3, H2S, VOC and TVOC; site-specific gases and ranges require project confirmation
Sampling temperature	-40 to 600 °C standard; configurations up to 1300 °C optional
Sampling humidity	0-99% RH
Sampling distance	30-40 m standard; over 70 m with optional vacuum pump
Sampling flow	2 L/min standard; 4 L/min optional
Signal output	4-20 mA, RS485 and passive contacts; wireless or network transmission optional
Display	7-inch color touchscreen
Storage option	100,000 records or 16 GB removable storage optional

Power supply	220 V AC, 50 Hz
Enclosure	IP66 outdoor type; explosion-protected configuration optional
Sample conditioning	Electronic cooling, moisture removal, filtration and drainage

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	

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.eranntex.com/products/th-2000-c/>