

EU-2000 Analyseur de fumées pour installations thermiques



Analyse jusqu'à 9 composantes:

O₂, CO, NO, NO₂, SO₂, temp. gaz, temp. air, tirage/pression, suie

Calcule:

Lambda, CO₂, perte des effluents gazeux Q_p, rendement

Fonctionnement sur réseau ou accumulateur



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Technical Data

under reservation of technical changes

Sensors :

O₂

Electrochemical
 Range : 0 - 21% vol
 Resolution : 0.01 % vol
 Response time : Δ 90% \leq 20 seconds
 Error limit : \pm 0.4% vol over total range

CO

Electrochemical
 Range : 0 – 2'000 ppm
 Resolution : 1 ppm
 Response time : Δ 90% \leq 45 seconds
 Error limit : \pm 0.10 x display or \pm 12 ppm

NO (option)

Electrochemical
 Range : 0 - 2'000 ppm
 Resolution : 1 ppm
 Response time : Δ 90% \leq 45 seconds
 Error limit : \pm 0.1 x display or \pm 10 ppm

SO₂ (option)

Electrochemical
 Range : 0 - 2'000 ppm
 Resolution : 1 ppm
 Response time : Δ 90% \leq 45 seconds

TG (gas temperature)

NiCr/Ni thermocouple
 Range : 0 - 450°C (800°C Option)
 Error limit :

Temperature	Device	Sensor	Total
0 - 100 °C	\pm 1 °C	\pm 2 °C	\pm 3 °C checked by metas
100 - 200 °C	\pm 1 %	\pm 2 %	\pm 3 % checked by metas
200 - 350 °C	\pm 2 °C	\pm 4 °C	\pm 6 °C checked by metas

TA (fresh air temperature)

NiCr/Ni thermocouple
Range : 0 - 80°C
Error limit : ± 3 °C max

Draft (draft metering)

Semi-conductor DMS bridge
Range : - 4 / + 50 hPa

Calculations

CO ₂	0 - 20,0% vol
qA	0 - 99,9%
rend	99,9%-0
la (Lambda)	1 - ∞
NO _x	NO + NO ₂ = NO _x

Storage temperature :

-20 to 50 °C

Display

LCD/Dot Matrix
4 lines of 20 characters

Printer

Dot Matrix Printer
24 characters per line

Power supply

Mains voltage : 85 – 264 VAC / 47-63 Hz
Batteries Lilon 12V DC – 4 Ah

Calibration

After successful leak test, 100 sec.

Soot metering

Filter paper method
1.63 ± 0.11 l (6 mm probe)

Languages (randomly selectable)

Deutsch
Français
English
Italiano

Hose connection

3.5 m

Dimensions / weight

460 x 370 x 150 mm
6.6 kg