

ACOEM Group

HTO-1000 Thermal Oxidiser

THERMAL CONVERTER



ECOTECH HTO-1000 Thermal Oxidiser is a thermal converter designed to be used with nitrogen gas analysers for the measurement of ammonia (NH_3) or with sulphur dioxide gas analysers for the measurement of hydrogen sulphide (H_2S) or total reduced sulphur (TRS).

ECOTECH HTO-1000 can also be used for hydrocarbon removal from air creating hydrocarbon free zero air.

FEATURES

The ECOTECH HTO-1000 Thermal Oxidiser is specifically configured for each gas application by using different catalysts and operating temperatures. The converter is available with a SO_x scrubber for use in hydrogen sulphide (H₂S) applications. The oxidiser is used to oxidise gaseous compounds in an atmosphere containing oxygen.

- NH, Conversion Efficiency 88 94 %
- NH₂ Oven temperature 680 °C
- H₂S Conversion Efficiency > 95 %
- H₂S Oven Temperature 350 °C
- Range: o 2000 ppb H₂S
- Features SO_x Scrubber 300 ppm hour life
- TRS Conversion Efficiency > 95 %
- TRS Oven Temperature 900 °C
- Range: 0 20,000 ppb.

SPECIFICATIONS

Power:

	110 VAC, 60 Hz fused at 5 A Slo-Blow
Consumption:	200 VA
Weight:	10 kg
Dimensions:	220 mm 5RU height
	484 mm width
	220 mm depth
Operating temperature:	25 - 1000 °C
Gas temperature	
accuracy:	±5°C
Flow rate:	0.1 - 1.5 l/min
Quartz tube volume:	88.5 cc
Gas pressure:	Vacuum to max. 2 bar pressure
Response time:	5 - 10 % of rise / fall time of analyser.

240 VAC, 50 Hz fuse at 3.15 A Slo-Blow





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