

## 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<sub>3</sub>) or with sulphur dioxide gas analysers for the measurement of hydrogen sulphide (H<sub>2</sub>S) 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<sub>x</sub> scrubber for use in hydrogen sulphide (H<sub>2</sub>S) applications. The oxidiser is used to oxidise gaseous compounds in an atmosphere containing oxygen.

- NH<sub>3</sub> Conversion Efficiency 88 - 94 %
- NH<sub>3</sub> Oven temperature 680 °C
- H<sub>2</sub>S Conversion Efficiency > 95 %
- H<sub>2</sub>S Oven Temperature 350 °C
- Range: 0 - 2000 ppb H<sub>2</sub>S
- Features SO<sub>x</sub> Scrubber – 300 ppm hour life
- TRS Conversion Efficiency > 95 %
- TRS Oven Temperature 900 °C
- Range: 0 - 20,000 ppb.

### SPECIFICATIONS

<b>Power:</b>	240 VAC, 50 Hz fuse at 3.15 A Slo-Blow 110 VAC, 60 Hz fused at 5 A Slo-Blow
<b>Consumption:</b>	200 VA
<b>Weight:</b>	10 kg
<b>Dimensions:</b>	220 mm 5RU height 484 mm width 220 mm depth
<b>Operating temperature:</b>	25 - 1000 °C
<b>Gas temperature accuracy:</b>	± 5 °C
<b>Flow rate:</b>	0.1 - 1.5 l/min
<b>Quartz tube volume:</b>	88.5 cc
<b>Gas pressure:</b>	Vacuum to max. 2 bar pressure
<b>Response time:</b>	5 - 10 % of rise / fall time of analyser.

