

# H2S-1100 Hydrogen Sulfide

## CONVERTER



**ECOTECH Model H2S-1100 Hydrogen Sulfide Converter employs both catalytic and thermal principles to convert H<sub>2</sub>S to SO<sub>2</sub>. Converter efficiency is better than 95 % over a temperature range of 300 °C to 400 °C. (350 °C is the optimal temperature for H<sub>2</sub>S conversion).**

For best results, the H<sub>2</sub>S-1100 Hydrogen Sulfide Converter should be used in conjunction with an ECOTECH Sulfur Dioxide analyser. Because H<sub>2</sub>S is oxidised to SO<sub>2</sub> at 350 °C, and there is no conversion of other sulfur compounds, an accurate quantitative measurement of H<sub>2</sub>S in the atmosphere can be easily made.

## SPECIFICATIONS

<b>Power:</b>	115 / 230 VAC 50 / 60 Hz. (selectable)
<b>Flow rate:</b>	450 - 750 cc/min
<b>Operating temperature:</b>	0 °C - 50 °C, RH non condensing
<b>Converter temperature:</b>	350 °C for > 95 % conversion
<b>Converter performance:</b>	H <sub>2</sub> S - less than 2 ppm with greater than 95 % efficiency
<b>Converter life:</b>	6000 ppm/hours of H <sub>2</sub> S to SO <sub>2</sub> conversion. Converter life will also depend on the condition of the sample gas. High level water vapour will reduce the life of the converter
<b>SO<sub>x</sub> Scrubber performance:</b>	Removes 99 % of all SO <sub>2</sub> for 350 ppm - hours

