

- Sampling Conditioning Systems
- Process Analytics
- System Integration
- Gas Generators
- FTIR-Analysers



gas analysers

# HYDROCARBON ANALYSER

## Thermo-FID Accessories



### INLINE-STRIPPER

To determine organic C in waste water and cooling water towers.



### DILUTION PROBE, HEATED

To bring sample gas from the Zone „O“ to Zone „1“ or „N“ and/or to reduce the dew point of sucked gas.



### STATUS BOARD

- Status signals all isolated, potential free
- 4 0/4...20mA isolated outputs
- 4 isolated alarm relays
- 2 analogue inputs to control gas supply
- 2 digital outputs 24V DC/0.5A
- 2 digital inputs free selectable
- 1 digital output 24V=0.5A, controlled via timer for automatic back purge of sample filter

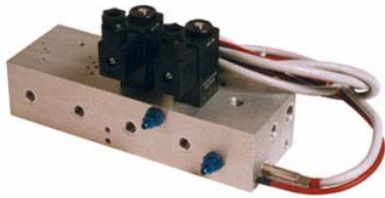


### CONTROL BOARD FOR SAMPLE POINT SCANNER (MAX. 2 CARDS)

- 8 digital outputs 24V=0.5A to control solenoid valves
- 8 isolated alarm relays
- 8 digital inputs for external sample point scanning

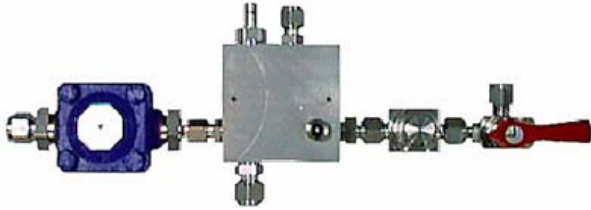
Optional

- 8 0/4...20mA isolated outputs, load max. 600Ω



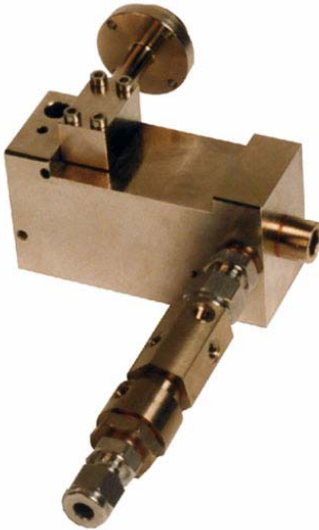
#### MSU-HT

High temperature sample point scanner heated up to 180°C.  
4/8 sample point scanner, self sucking with bypass pump, each individual gas stream comes with flow alarm device.  
Optional integrated dilution device available.



#### EXPANSION DEVICE FOR STEAM

To determine organic C in steam at 2...15bar heated up to 180°C. Multi-Point Scanner to determine organic C.



#### METHANYSER

Features the conversion of CO and at the temperature of 350-370°C into Methane at the presence of Hydrogen. The catalyst is in front of the sample input to the detector. Best catalyst performance is guaranteed by controlling the catalyst temperature at  $\pm 1^\circ\text{C}$ .

#### METHAN / NON METHAN CATALYST

Catalyst for conversion of total org. C, with exception of Methane, into CO<sub>2</sub> and H<sub>2</sub>O for samples with a minimum oxygen concentration of 8 Vol. %.



#### HEATED SAMPLE LINE WITH INTEGRATED FILTER

Material in contact with sample are: Hasteloy C4, PTFE, CrNI, Monell 400

Standard length is 3 or 5m long, comes with a PT100 temperature sensor and the line is heated up to 190°C. The temperature controller is built in into the Thermo-FID as a standard.

Specification subject to change without notice.

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