

# HSSM HEATED STREAM SELECTION MODULE

For the sampling of gas from up to 4 separate locations, Protea's Heated Stream Selection Module (HSSM) is a ready to use 19" rack interface that can be used with Protea's range of multigas FTIR analysers or any other industrial gas instrumentation.

The standard HSSM includes a bank of 4 heated solenoid valves with 1 common outlet, allowing each of the sample points to be switched onto sample via a 24vDC signal. The HSSM runs with constant by-pass of all sample points so instrument response times are kept to a minimum.

Fully stainless steel construction of sampling parts is utilized, with the option for coating the sample stream when reactive or "sticky" gases are to be measured. The HSSM is capable of heating to 180°C for measurement of wet stack emissions such as from incineration applications.

In a complete gas analyser system from Protea, any number of HSSM units can be configured together with our complete Sampling Control system, which gives automated sequencing of the sample streams from within the FTIR software. For example, 3 HSSM modules can be used together allowing 12 sample points, all with heated lines and heated probes to be measured with the 1 gas analyser.

The benefits of Protea's FTIR analyser software means that completely separate gas analysis calibrations can be loaded for each measurement point. This means in effect one analyser can do the job of many, measuring completely different process at each point.



#### Heated Stream Selection Module (HSSM).

- \* Heated 4 stream sampling for gas analysers
- \* Modular 19" design for multiple HSSMs to be used
- \* Stack Emissions
- \* Process Monitoring
- \* Builds into Protea FTIR gas analysis systems

## Hardware Specifications

No. sample streams	4 Multiple modules used in combination in complete system
Temperature	Up to 180°C PT100 sensor
Sample Connections	6mm Swagelok (others available)
Bypass Vent	8mm Swagelok (others available)
Sample Valves	3/2, G1/4, 24vDC Stainless Steel body; PTFE seals -40°C - +180°C
Valve control signals	24vDC 5-pin DIN EN 45326
Weight	17kg
Dimensions	483 x 481 x 221 (4U)
Power	110VAC or 220VAC 225W