

# 200SM

Solid state gas cooler dryer



The 200SM Cooler dryer removes water vapour from stack and exhaust emitting gases, before analysis by ambient analysers.

## Flexible

- Available in 1, 2 or 3 channel configurations
- Switchable 115/230 Vac.
- Solid state cooler element

## Easy to use

- Front panel status indicators
- Compatible with all gas analysers
- Temperature and water alarm for each channel

## Accurate

- High inlet temperature up to 210°C
- High capacity - up to 9 l/min
- Ambient temperature up to 40°C



**Ancillary products**  
working alongside our  
gas analysers



# 200SM Cooler dryer

## SPECIFICATIONS

The 200SM Cooler dryer removes water vapour from stack and exhaust emission gases, before analysis by ambient analysers. Errors due to water interference are removed and condensation is prevented from occurring inside the analyser.

The unit is based on a solid state Peltier cooler element with a continuous peristaltic pump which removes the unwanted water

### CONFIGURATION

The 200SM is available as a 1, 2 or 3 channel unit.

### INLET

Maximum inlet temperature: 210°C

### OUTLET.

Sample:  
dewpoint 5°C ± 0.5°C  
Hot air:  
exhausted to ambient  
Condensate:  
pumped to drain

### FLOW RATE

3 l/min (maximum) per channel

### PLUMBING

Gas sample(s):  
1/4" tube fittings  
Condensate drain:  
1/4" stainless steel

### POWER

Voltage rating:  
115 Vac or 230 Vac ± 15% switchable on rear panel  
Consumption:  
90 VA + 90 VA per channel (maximum)

### ENVIRONMENT

Ambient temperature range: + 5°C - 40°C  
Max Humidity: 95% RH non-condensing

### FRONT PANEL

Mains power on/off switch  
Each channel has the following LED indicators:

- Status (green)
- High temperature alarm (red)
- Low temperature alarm (red)
- Water alarm (red)
- Power (green)

### ALARMS

Each channel has three alarms:

- High temperature
- Low temperature
- Water condensate present

Each channel has one alarm output relay.

Each alarm output relay has two independent sets of change over contacts.

### DIMENSIONS

19" rack mounting 5U high  
Depth behind mounting panel: 533mm  
Protrusion in front of: 45mm  
Height: 222mm  
Width: 435mm

### WEIGHT

10kg + 5kg per channel



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