

# 250

Portable cooler dryer



The Signal Group 250 Portable cooler dryer removes water vapour from stack and exhaust emission gases, before analysis by ambient analysers.



**Ancillary products**  
working alongside our  
gas analysers

**SIGNAL**  
**GROUP**



# 250 Cooler dryer

## SPECIFICATIONS

The Signal Group 250 Portable 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 250 features a semiconductor Peltier cooling system with an aluminium cooling block. Fitted into the block is then a high efficiency heat exchanger made of stainless steel. The condensed water is then removed using a continuous peristaltic pump.

The status of the cooler is indicated by an LED system with high temperature alarm, a water alarm and an indicator that the set temperature is being maintained.

### CONFIGURATION

Single channel

### 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)

### PLUMBING

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

### POWER

Voltage rating:  
115 Vac or 230 Vac  
Consumption:  
180VA maximum

### ENVIRONMENT

Ambient temperature: + 5°C to 35°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

High temperature  
Low temperature  
Water condensate present

### DIMENSIONS

630mm x 500mm x 400mm

### WEIGHT

15kg



### 200SM Cooler dryer

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

Authorised Representative:



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