

MODEL 200SM



SOLID STATE GAS COOLER DRYER

- ◆ Removes water vapour from hot stack and exhaust gases.
- ◆ Solid State Cooler Element.
- ◆ High inlet temperature - up to 210 °C.
- ◆ Continuously pumped water removal.
- ◆ High capacity - up to 9 l/min.
- ◆ Ambient temperature to 40 °C.
- ◆ Compatible with almost all Gas Analysers.
- ◆ Available in 1, 2 or 3 channel configurations.
- ◆ Front panel status indicators.
- ◆ Temperature and water alarm for each channel.
- ◆ Switchable 115/230 Vac.
- ◆ 2 year warranty.

200SM SPECIFICATIONS*

GENERAL

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.

Sample Handling:

- Stack Sample Probes
- Series 500 Heated Line and Temperature Controllers
- Series 300 Pre-filters
- AS80 Air Purifier
- Series 400 NOx and NH₃ Converters

Test Equipment:

- 821 Gas Divider
- Series 850 Gas Blender
- Series 860 NOx Converter tester

DIMENSIONS

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

WEIGHT

10 Kg + 5 Kg per channel

- Signal always supply products to the latest specification. Please confirm your requirements when ordering.

*Every effort has been made to ensure the accuracy of information supplied in this publication. However, due to a policy of continuous development, specifications may change without notice. Signal cannot be held responsible for any damage, loss, or expense arising as a result.

Represented by:-

TRAINTEC Sistemas s.l.

C/ Abedul, 23 - 28036 Madrid

Tel.: +34 913504021

E-mail: comercial@traintec.es

Website: www.traintec.es



Certificate No. FM33693
BS EN ISO 9001:1994

