

# Peltier Gas Dryer GD-10



## Peltier gas conditioning system Suitable for continuous use

The gas dryer GD-10 is a complete gas conditioning system that uses a microcontroller to co-ordinate its tasks. The compact and logical design makes the instrument small, convenient and easy to service. Special, patented processes ensure that aerosols are also removed from the gas.

### Description

- Heated hose with software control of temperature
- Optional heated 25 µm filter
- Filter battery on gas outlet (5 and 20 µm)
- Cooler temperature controlled by software
- Pump speed controlled by software
- acoustic and visual warning for errors

### Operating data

- Power supply 230 or 120 VAC, 50/60 Hz
- Power requirement:
  - Control system 120VA Max
  - Hose 1500VA Max
- Operating temperature: 0°C ÷ 30°C
- Storage temperature: -20 ÷ +55°C
- Size: W x H x D: 500 x 340 x 150mm
- Weight: approx. 11kg

Parameter	Description
<b>Cooler</b>	
Method	Condensation due to rapid cooling
Cooler unit	Peltier element with precooling and fan
Dew point	1 °C + ambient, constant ±0.2 °C (ambient temperature up to +30°C)
Dead capacity	approx. 50cc
Operational	after 20 min, dependent on ambient temperature
Gas inlet temp.	max. 200°C
<b>Heated hose</b>	
Hose temperature	20 °C +200 °C programmable, controlled ±1 °C
Inside diameter	6.0 mm
Length/diameter	Standard 3.0 m, other lengths available. Diameter approx. 42 mm
<b>Gas pump</b>	
Type	Membrane pump
Flow rate	Max 150 l/h, programmable
Operating pressure	0.5 ÷ 1.6 bar absolute
<b>Condensate pump</b>	
Type	Peristaltic
Flow rate	approx. 0.2l/h
<b>Display</b>	
Type	LCD monochrome text display with backlighting
Size	4 lines, 20 characters per line