



## GAS DRYER miniDryer

- ◆ Plug & play – ready to operate with madur's analysers
- ◆ Peltier cooler
- ◆ Water removing pump
- ◆ ON/OFF switch
- ◆ Connector for gas probe (with heated holder)
- ◆ Gas connectors made of stainless steel

### Drying unit

Properties	Description
Drying method	Water condensation by rapid cooling down
Cooler type	Based on Peltier cooling element, with fan
Cooler temperature	Down to +4°C, electronically stabilized
Dead volume	ca. 15 cc
Ready to operate after	ca. 10 min, depends on ambient temperature

### Condensate pump

Properties	Description
Type	Peristaltic pump with Neoprene hose
Capacity	ca. 100 cc/h
Mode of operation	periodical, about 8s per minute

### Operating data

Properties	Description
Dimensions	W x H x D: 52 x 120 x 125mm
Weight	0.76 kg
Power supply	12V AC or 15V DC, taken from analyzer's "Probe" connector
Power consumption	ca. 12 VA
Operating temperature	0°C ÷ 30°C
Storage temperature range	-20 ÷ +55°C
Ambient humidity	5 ÷ 90 %, non-condensing

MiniDryer takes supply from analyzer through the probe connecting socket. It has no external control elements - the unit operates fully automatically.

Built-in Peltier-cooler with fan and peristaltic pump make it operate the same way as the most professional dryers. And that all in such a small casing!

MiniDryer is an ideal solution where the unit cost takes precedence. This compact device removes water and dust from the measured gases and protects analyzer's internal parts (filters, pump and gas sensors). The use of miniDryer prolongs significantly the sensors and pump's life. MiniDryer can be connected to any type of madur's analyzers. Each madur's GA-21plus analyzer has reserved place for miniDryer in its casing (both in soft and hard case).