

# Portable Gas Conditioning System TGAK 2



The analysis of gases in various locations requires a portable small and compact sample conditioning system. Installed in a rugged aluminium case the TGAK 2 system features a complete sample conditioning system almost up to the same standard a stationary system provides. The TGAK 2 comprises an expansion vessel with prefilter, a sample gas cooler with condensate vessel, a pump and a sample gas filter.

Independent from the ambient temperature the sample gas cooler lowers the sample temperature down to +5 °C, which is safely below ambient temperature and any moisture content will drop out as condensate.

The flow upstream the analyser can be adjusted by means of an optional flow meter with regulating valve.

A safety circuit releases power supply to the sample gas pump only if the cooler has reached his operational temperature.

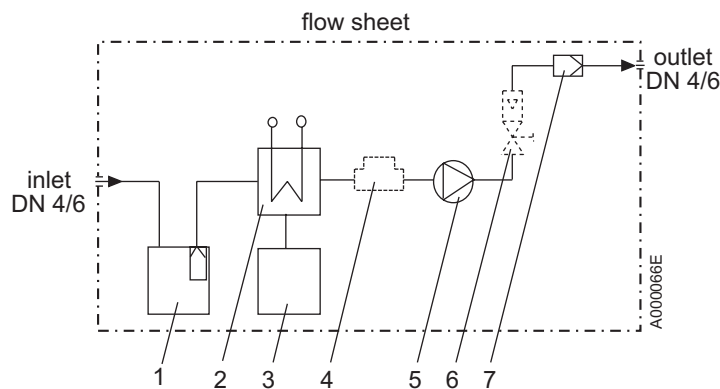
To protect the analyser we recommend to install a moisture detector.

## technical data

ambient temperature	+ 7 °C up to + 35 °C
gas outlet dewpoint	+5 °C ± 1 °C
dewpoint stability	± 0,1 °C
inlet dewpoint	max. + 50 °C
gas inlet temperature	max. + 80 °C
flow rate	max. 150 NI/h
sample connection	for hose DN 4/6
power supply	230 V, 50/60 Hz with plug cable, cable length 1,5 m
power consumption	242 VA
ready for operation	after max. 10 minutes
dimensions (H x W x D)	480 x 300 x 230 mm
weight	ca. 13,5 kg

## material

gas bearing parts PVC, glass, PPH, Viton, stainless steel, PA 12, PC, PE



- 1 condensate vessel with filter
- 2 sample gas cooler PKE-3
- 3 condensate vessel
- 4 Moisture sensor FF-3 (optional)
- 5 Pump
- 6 Flowmeter DK 46 R (optional)
- 7 finefilter AGF-FE-1

## please indicate with order:

### description:

portable gas conditioning system TGAK 2, 230 V 50/60 Hz

### part-no.

45 35 999

portable gas conditioning system TGAK 2, 115 V 50/60 Hz

45 38 999

portable gas conditioning system TGAK 2.1, 230 V 50/60 Hz,  
without sample gas pump

45 36 999

portable gas conditioning system TGAK 2.1, 115 V 50/60 Hz,  
without sample gas pump

45 39 999

### accessoires

moisture sensor FF-3, with adapter and electronic controller ER 145  
incl. installation, 230 V 50/60 Hz

41 89 001

moisture sensor FF-3, with adapter and electronic controller ER 145  
incl. installation, 115 V 50/60 Hz

41 90 001

flow meter DK 46 R, with needle valve, incl. installation

45 31 000