

Gas Analyzer GAP 100

The gas analyzer portable 100 is an efficient, reliable and transportable gas measurement device. It is very flexible and has been designed for field use.



usage

The GAP 100 allows mobile spot metering. It is used e.g. in renovation work, the exploration of contaminated sites and for the measurement of biogas. As the GAP 100 possesses an integrated data storage, data evaluation on site is possible, too.

advantages

- easy handling via touch panel
- description of errors in plain text
- low weight
- long term calibration stability
- low service costs
- battery runtime 8 hours
- data storage

fields of application

- biogas plants
- wastewater treatment
- landfill site
- composting plants

Made in Germany

We are your competent partner for gas measurement applications.

Our analyzers are developed and produced exclusively in Germany.

Contact

Fresenius Umwelttechnik GmbH
Doncaster-Platz 5
45699 Herten

Tel.: +49 (0) 2366 / 93 96 1 -10
Fax: +49 (0) 2366 / 93 96 1 -16
Mail: info@fresenius-ut.com
Web: www.fresenius-ut.com

Gas Analyzer
GAP100

technical data

model:	Gas Analyzer Portable 100
measuring components:	e.g. CH ₄ and CO ₂ (IR) / H ₂ S and O ₂ (EC)
measuring technology:	IR: NDIR one beam principle, cuvette heated up to 60 °C / 140 °F, EC: electrochemical reaction process
measuring range:	CH ₄ = 0–100 vol-% / 0–1,000,000 ppm H ₂ S = 0–2,000 ppm (till 10,000 ppm overload) CO ₂ = 0–65 vol-% / 0–650,000 / –1,000,000 ppm O ₂ = 0–25 vol-% / 0–250,000 ppm
measurement precision:	max. < 5 % from measured value
pressure compatibility:	compensated, standard 0.7 to 1.1 bar / 10.15 to 15.95 psi
gas flow:	ca. 3 l/min. / 105.59 oz/min.
tube connectors:	gas in quick connector, gas out bulkhead connector
climatic conditions:	ambient temperature 5 °–45 °C / 41 °–113 °F / relative humidity ~ 90 %, dew free
power supply:	10.8 V / 8.7 Ah Lithium-Ion storage-battery
charging voltage:	18V DC / 1 A charge voltage 100 V–240 V ~ / 50–60 Hz
time of operation:	approx. 12 h (depends on temperature)
interfaces:	RS232
case:	plastic ASA+PC-FR, IP 54
dimensions:	348 x 303 x 125 mm / 13.70 x 11.93 x 4.92 inch
weight:	4,2 kg / 9.3 lbs
display:	in vol-% and ppm via touch panel 128 x 64 Pixel, black / white
operation:	touch display resistive
operational availability:	after 120 sec (at 20 °C / 68 °F)