

The airTOX gas measuring system is a portable NDIR-measuring system (non dispersive infrared absorption), additionally equipped with electro magnetic sensors.



The comfortable lifting pin for airTOX measuring system



Application

The *robust* measuring system is especially developed to be used in landfill gas analysis, the control of compost plants or for ground air analysis. With its robust construction it is optimally suited for the quick analysis on site.

Advantages

The airTOX gas measuring system is designed for *4 measuring components* as well as for temperature measuring.

CH₄ and CO₂ are measured according to the *NDIR procedure*, O₂ and H₂S electro magnetic. The measurement of measuring gas temperature is optionally also possible.

The *integrated data memory* offers the recording of the measured values. Afterward these values may be continued to process via the standard interface. Furthermore the measured value is indicated by a large display at any time.



For immissions and emissions measurement technology, we are your competent partner for every project in the gas analysis sector!

Technical data

Measurement range:	methane CH ₄ / 0,1 - 100 Vol %, carbon dioxide CO ₂ / 0,05 - 50 Vol %, oxygen O ₂ / 0,1 - 25 Vol %, hydrosulfide H ₂ S / 0,1 - 200 ppm or - 2000 ppm
Operation mode:	continuing measuring with measuring value storage all 20 sec. adjustable
Measurement cycles + times:	heating period 2 min., zero calibration and automatic balance all 20 sec.
Status message:	plain text
Power supply:	internal 12 V / 6.4 Ah storage battery, operation period 3-4 h., charging time 6 h., incl. charger
Connections:	bush 4-pole for RS 232 and charger / bush 5-pole for temperature sensor
Storage:	128 kByte CMOS-RAM incl. battery buffer (records up to 7500 measuring values)
Filter:	integrated dust filter (fiber glas) 50 mm / condensate trap incl. sinter filter
Housing:	aluminium die casting 240 x 240 x 140 (B x H x W) / weight 6 kg Housing protection system IP 54 according to DIN 40 050 / protection category III according to IEC 348
Accessories:	storage battery charger with integrated RS 232 / VA-measuring gas house / PC analysis software
Options:	rebuilding kit for temperature measurement, 12 V charging adapter, lifting pin