

HE-3-039R-R201
MultiAnalyser ^{He} (two-in-one)

With its innovative equipment and intuitive user interface, the MultiAnalyser ^{He} perfectly meets the user's requirements and is ready for operation immediately after switching on. High-quality manufacture and ergonomic design guarantee the quality standards for a compact and maintenance-friendly measuring device with high measuring accuracy. This multi-functional measuring device allows the emission-free determination of up to two measuring parameters with only one sample.

Depending on the individual device configuration, the following values can be determined:

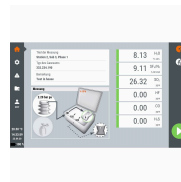
- He/N₂ volume percentage (%)
- Moisture concentration

Thanks to the easy-to-remove, integrated battery, transport regulations are no longer an issue. Our field-replaceable sensors offer a great benefit as the device is ready for use immediately after replacement without any down times.

The MultiAnalyser ^{He} allows different methods of operation for emission-free handling of the measured gas.

- On the one hand the internal storage of the measured gas (max. inlet pressure 35 bar p_e) into the device, into an external cylinder or an external discharge gas collecting bag; for continuous measurements without pumping the gas back it is recommended to collect the gas in an external discharge gas collecting bag.
- On the other pumping the gas back into an external cylinder, vessel or gas compartment (up to 10 bar p_e).

The measuring device offers automated operation via a 7" touch screen. It is possible to operate and exchange data by means of mobile end devices such as smartphones, tablets or laptops via WiFi. Integrated into a trolley, the measuring device can be transported in a safe and comfortable way. Modern control technology in conjunction with a user-friendly interface in several languages make device operation simple and convenient.



Standard version

- battery operation and/or external power supply
- indication of moisture concentration in dew point °C or °F, referred to atmospheric or inlet pressure, reversible to pm_v or ppm_w
- indication of inlet pressure in bar, psi, MPa, and kPa (in p_a or p_e) to be selected on the touch screen
- 6 m long connecting hose
- 2 m long electrical connecting cable with mains plug
- USB flash drive with data file for evaluation and reading out of measuring results

Special features

- Gas type: He
- Sensors: percentage
- Sensors: moisture
- Features: storage of measuring results
- Features: WiFi
- Features: gas return system

Advantages & functions

Sensor data		
Sensor	Vol.-Prozent	Feuchte
Measuring principle	Velocity of sound	Electronic dew point measurement (capacitive)
Measuring range	0 –100 Vol.-%	-60 to +20 °C
Measuring accuracy	±0,5 Vol.-%	±2 °C (to > -40 °C) ±3 °C (to -40 °C)

- emission-free measurement
- modular interchangeability of sensors
- storage of up to 500 measuring results with name, date and time
- limit values to be set individually for each sensor

Technical data

Dimensions (W x H x D)	538 x 269 x 406 mm
Weight	24 kg
Inlet pressure pe	0.2 - 35 bar
Operating temperature	-10 to +50 °C
Ambient moisture	max. 90 % relative humidity, non-condensing during operation
Operating voltage	90 - 264 V
Frequency	50 - 60 Hz
Number of max. measured values to be stored	500
Interface	USB/LAN/WiFi
Measuring time	variable calculated by the system, max. 9 min.
Measuring principle of vol.-% sensor	Velocity of sound
Measuring range of vol.-% sensor	0 - 100 vol.-%
Measuring accuracy of vol.-% sensor	± 2 vol.-%
Measuring principle of moisture sensor	Electronic dew point measurement (capacitive)
Measuring range of moisture sensor	-60 to +20 °C
Measuring accuracy of moisture sensor	± 2 °C (to >-40 °C)
Measuring accuracy of moisture sensor	± 3 °C (to <-40 °C)

Optional accessories

B151R95	Discharge gas collecting bag
3-531-R060	6 m long connecting hose with self-closing DILO couplings (as extension hose)
	Kit for remote control router
CA-6-1161-R012	DILO coupling DN40 (M50x2) with hose connection
CA-6-1161-R011	Hose connection DN8 with thread (M24x1,5)

Note

NOTE: The automatic purging of the measuring hose before each measurement guarantees precise and correct results for every measurement.

ATTENTION: The device is delivered WITHOUT adapter.