

QUMAT-11HR

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Components inside:

- The measuring procedure works on the basis of DIN 51855/7 and to ISO 6326 T2 (but it works without toxic carcinogenic chromium acid)
- Gas inputs for calibration and measuring gas
- Hydrogen doesn't affect the measurement
- Tested and in use by Engler Bunte Institut (DVGW)
- Digital flow display and automatically electronic flow control
- Syringe injector for gas and liquid samples (optionally)
- LCD-display and keyboard
- Power supply internal 12V battery inside for 4-6 hours working time
- Power supply external 12V (DC; car) 230V 50Hz external
- RS 232 / USB -interface for computer or modem
- 2 outputs 4-20 mA and relay for maximum- and minimum alert



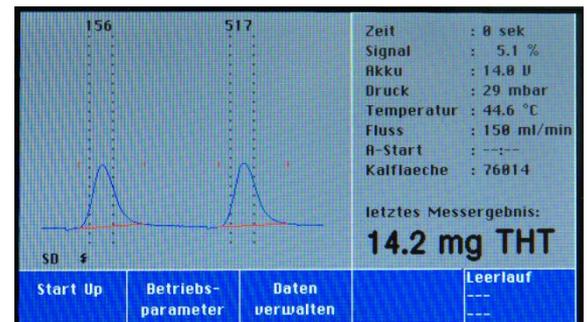
The new generation in odour analytic

You have to verify THT (Tetra Hydro Thiophen / or mercaptan e.g. ethyl mercaptan) concentration within the gas. We deliver a universal instrument to measure the concentration in natural gas. There is no special education necessary to work with the equipment. As it is:

- Easy to handle
- Works without poisonous liquids
- Stationary and mobile working is integrated
- Technical tested at the German Engler-Bunte-Institut (DVGW)

Easy handling:

The QUMAT@-11 HR produces an easy to interpret result. All important parameters like: place of measure, date, time, calibration gas area, control gas area and the THT-concentration of the control gas measured in mg/m^3 . The calculation works independent and automatically. Temperature changes in the space of environment will be corrected inside. For this characteristic the QUMAT@-11HR contains control algorithms for the chromatographic column and the detector housing. Also integrated is an electronic controlled air pressure unit. Normally no changes to these parameters are necessary, but you may change them via keyboard or via computer (modem). All parameters and results can be saved for minimum one year (also when working around the clock) (We can change the language on the display.)



The integrated LCD-display shows all the functions of the QUMAT@-11HR on one view. The parameters can be changed over the integrated keyboard. If you have mounted the gas inputs the measure will be activated with one keystroke.

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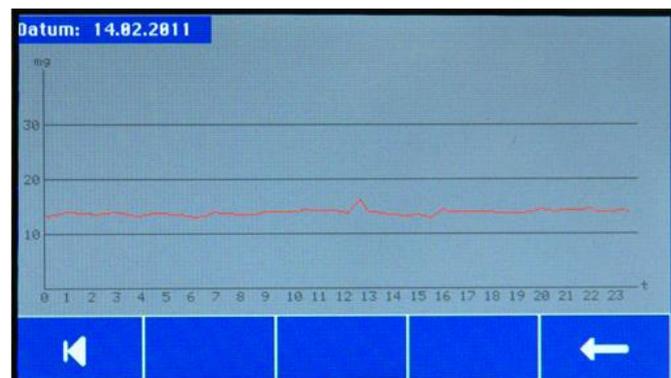
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Software

It is possible, to save the information accordingly to a measurement (intern and extern). The communication between QUMAT@-11HR and computer works with RS 232 / USB interface. It can be a stationary or mobile computer. The QUMAT-11 doesn't lose the measured sample. We can save over a 100.000 measurements und can build a statistic during a day /week /month easily. The program works with WINDOWS XP / 7/8.



It is possible to:

- Display concentration during one day
- Save results (over 100.000 times internal at a SD card or external at a computer)
- Printout the results later
- Integrated database
- Printout on any printer which works with WINDOWS.

Mobilisation

This universal equipment works also without line power.

- Measurement and calibration
- Savings and control also with a (notebook)-computer
- With external power (12V DC) you can work with infinite capacity
- It works in all positions

Dimensions:

Width	19" inch, 449mm
Height	3 HU /height units, 128mm
Depth	375mm
Gas connectors	1/8" Swagelok SS Quick – Connectors
Gas pressure	20mbar – 2bar; 0,3psi- 30psi
Gas consumption	approx.100ml/minute, 1 bottle calibration gas/ year (10l/ 100bar)
Working range	0,3 - 60 mg THT/ m ³
Power consumption	30 VA (at 12 V DC or 230 V AC) power cord / battery extern and intern
Order number	Q011.011HR

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