

QUMAT-110

QUMA

ODOUR portable measuring instrument:

- Easy handling
- Data storage with PC-connection
- Measurement of THT or mercaptan

Because of the compact structure of the instrument, many functions can be combined. The handling is very easy and needs no further knowledge of chemistry, electronic or chromatography.

You just need to push the button to start a measurement or a calibration.

The QUMAT[®]-110 works automatically and shows the results in its two-digits LCD display.

The results can be saved including the date, time, device number and continuous report number. It is also possible to save a max. four-figure location number.



Through a PC it is possible to elect, save or print the measured data.

The QUMAT[®]-110 saves > 100 measurements in one EEPROM. So the portable measuring system can be used with a modern Ni-MH-battery, which is charged up during one hour. As source of the needed energy the car or a power supply can be used. The date and time are saved internal through a separate battery

For mercaptane (TBM) it is possible to get an optical identical measurement system.

PC-Software

By use of a RS232 / USB adapter the data can be transferred to a PC (through Windows[®] 98/ XP/ Vista/ 7 Software). Between the taking out of the data of the QUMAT[®]-110 and the saving process it can happen that it needs several days in which the portable measurement system is not used. The integrated data storage can print different lists: for example all measurements between date xxx and date yyy or all results of one measurement location zzz.

The delivery contents are:

- QUMAT[®]-110 portable measurement system
- Connecting tube 1/8" 3 m
- Power supply 220 V / 50 Hz
- Adapter cable for charging out of car batteries 12 V DC
- Program CD
- RS-232 cable
- Manual

Supplies:

- Adaptor set with different gas connections
- Certified calibration gas with pressure reducer and connection cable
- Connection cables for measurements between 20 mbar and 2 bar (4 reduction cable each 2m long)
- Case for the measurement system

QUMA
Elektronik & Analytik GmbH
Preussenstrasse 11-13
42389 Wuppertal
GERMANY

www.quma.com
info@quma.com
Fon: + 49 (0) 202 7479495 - 0
Fax: + 49 (0) 202 7479495 - 40

QUMAT-110

QUMA

Specification:

Analytic:

- Operating range 2 – 100 mg THT/m³ [7 - 350 ppm THT] (1 - 40 mg mercaptan/m³)
- Measurement principle: electrochemical sulphuric-detector without chromatographic separation of sulphuric components
- Correction of the neutral point
- Cross-sensitivity: coke oven gas can lead to measuring error
- Working temperature: 0° C to 40° C

Electric:

- 2-digit LCD-display for easy operation,
- Storage of minimum 100 measurements with date, time, measurement location and continuous report number
- Battery-backed clock for date and time
- Programmed conversion for mercaptane
- Data transfer via RS-232
- Ni-MH battery for minimum 10 hours running. The charging process of the battery takes place with 12 V DC voltages or with a power adapter.
- Speed-loading of the battery within 2 hours.
- Evaluation via PC possible with data bank usage, statistic,... The program works with Windows® 98/ XP/ Vista.
- Dimension: 197 x 98 x 40 mm³

Subject to alterations

Order number:	article:
Q110.001	QUMAT-110 THT
Q110.001B	QUMAT-110 TBM
Q110.014	connection cable 20 mbar – 2,00 bar

QUMA

Elektronik & Analytik GmbH
Preussenstrasse 11-13
42389 Wuppertal
GERMANY

www.quma.com
info@quma.com
Fon: + 49 (0) 202 7479495 - 0
Fax: + 49 (0) 202 7479495 - 40