

Testomat® LAB TH TH-R



The **Testomat® LAB TH** determines the water hardness fully automatically by means of titration. The device is suitable for checking the water quality of water treatment plants, drinking water plants, industrial boilers and for monitoring process water.

Please note that the Testomat® LAB - TH for use in multi-parameter concepts or for connection to an existing higher-level control concept, such as the NeoTecMaster®.

<https://neomeris.de/steuerung-multicontroller.html>

In addition to the 4-20 mA output for transmitting the measured values, this series has an RS232 interface for transmitting the measured values and error & status messages. Furthermore, all data are continuously recorded on the integrated SD card or optionally available SDHC card (2Gbyte) as a file in CSV format structured and can be used at any time for detailed observations.

The Testomat® LAB TH convinces with new functionalities:

- RS232 interface for transmission of the measured values and error messages
- Carrying out parameterization using an SD card or the „Service Monitor“ software via mini-USB (on the device side) to USB 2.0 (for example PC/notebook)
- Multilingual menu navigation of the software in German, English, French, Dutch
- Firmware update via SD card
- Compact design
- Optimized water detection based on an optical measuring method
- Integrated self-test with continuous monitoring
- Automatic venting of the indicator line

Proven performance profile:

- High-precision titration using a piston metering pump
- Reliable and low-maintenance operation
- Minimum indicator and water consumption
- Analog output 4 - 20 mA for transmission of the measured values
- Programmable hardness unit in °dH, °f, ppm CaCO₃, mmol/l
- Common alarm output
- Indicator quantities: 500 ml bottles

Analysis trigger:

- Automatic interval operation (interval pause adjustable from 0 - 255 minutes)
- External analysis input (start/stop)
- Manual start


Technical data:

Operating voltage:	24 VDC
Power consumption	Max. 1 A, Without external load
Protection class:	I
Protection type:	IP 40 (when using the optionally available device cover IP43)
Ambient temperature:	10 - 40 °C
Water temperature:	10 - 40 °C
Dimensions (B x H x T):	270 x 350 x 147 mm
Weight:	ca. 4,35 kg
Operating pressure:	1 to 8 bar / 1x105 to 8x105 PA or 0.3* to 1 bar / 0.3x105 to 1x105 PA (after removal of the regulator core)
Menu languages:	(English, French, German, Dutch, Portugese)
Parameterization by means of software service monitor	0,05 - 25 °dH

Optional:

Article number	Description
37764	OLED display module for measured value display 2.8", yellow, 256 x 64
37798	Testomat® LAB fumigation hood (recommended if the instruments are exposed to direct sunlight)
40187	Connection set
130010	Kleinriesler R (see page 63)

Indicators *new*

Description	Amount	
Testomat Indicator TH2005	500 ml	152005
Testomat Indicator TH2025	500 ml	152025
Testomat Indicator TH2050	500 ml	152050
Testomat Indicator TH2100	500 ml	152100
Testomat Indicator TH2250	500 ml	152250

Order number:

Article number:	Description
116102	Testomat® LAB TH
116112	Testomat® LAB TH-R

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Additional function:

Parameterization and readout of the device parameters via the RS232 interface.