

FUNCTIONAL OVERVIEW

- The device can be connected to an overriding control system
- The measurement values are output to a control system via a 4-20 mA interface and a RS232 interface e.g. directly to our MultiControl device
- Analysis triggers:
 - Interval mode (the interval pause can be adjusted from 0-99 minutes)
 - External analysis input (start/stop)
 - Manual start
- Shared output for the alarm
- Parameterisation with the Service Monitor programme, logging of error and maintenance messages and firmware update with the SD card
- USB connection for service purposes and for parameterisation with the Service Monitor programme
- Operation via function keys, which also serve as display elements



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Flyer Testomat Modul EN 231221

TESTOMAT® MODUL TH

MEASURING CONVERTER FOR
TOTAL HARDNESS



GEBRÜDER HEYL
Analysentechnik GmbH & Co. KG
Wasser ist unser Element

PERFORMANCE FEATURES

OVERVIEW OF TESTOMAT® MODUL TH

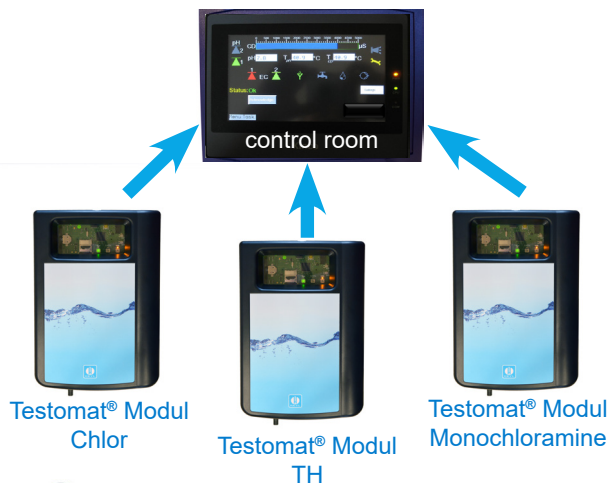
The measuring converter **Testomat® Modul TH** is an analysis instrument that is used to determine and monitor residual total hardness (water hardness) via titration and photoelectric evaluation.

The Testomat® Modul TH then transmits the measurement result to the control system:

- via a 4-20 mA interface as a current value. The control system calculates the measurement value from the current, e.g. in ppm.
- via a RS232 interface as a measurement value.

The measurement converter combines the measuring technology of the **Testomat® family** and a reduced technical design, which lowers costs and maintenance effort.

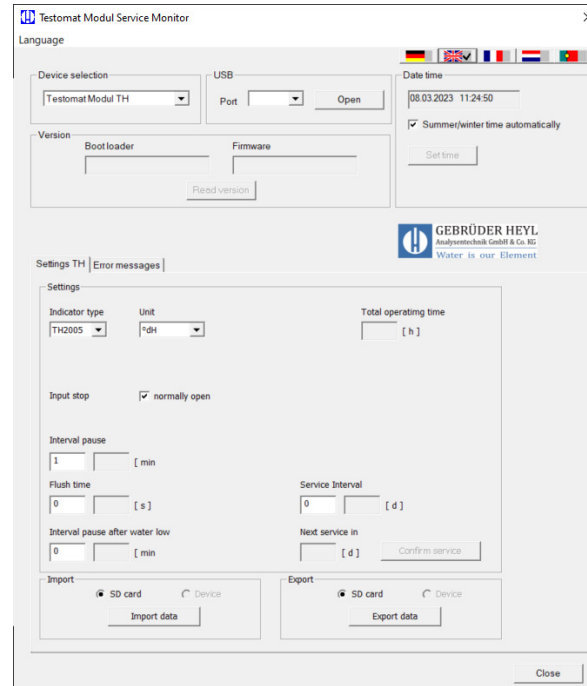
Networking of several Testomat® Modul to monitor multiple parameters in one control room



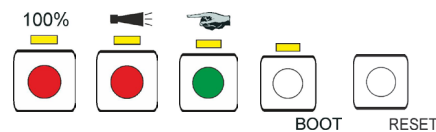
PARAMETRISATION

WITH THE SERVICE MONITOR PROGRAMME

The Testomat® Modul TH settings can be displayed and changed with the Service Monitor programme (for operating systems from Windows 7 onwards). The programme is stored on the SD card of the device.



The function keys on the device are used to perform basic functions such as alarm acknowledgement, reset and activating standby mode.



TECHNICAL DATA

OF THE TESTOMAT® MODUL TH

Power supply: 24 VDC, the device is protected against reverse polarity

Power consumption: max. 1 A, without external load

Protection class: II

Degree of protection: IP 54

Conformity: EN 61326-1, EN 61010-1
BS EN IEC 61326-1, BS EN 61010-1+A1

Ambient temperature: 10 - 40 °C

Measuring range: 0,89-448 ppm (depends on the indicator)

Relay contact load: max. 35 VAC / 60 DC, max. 4 A

Current interface: 0/4 – 20 mA, max. load 500 Ohms

USB interface: Type Mini-B (connector); USB 2.0 Full speed

SD card: SD or SDHC cards with a maximum capacity of 32GByte are suitable. The card must be FAT or FAT32 formatted.

Battery: Lithium CR2032

Dimensions: W x H x D = 270 x 350 x 147 mm

Weight: approx. 5300 g

Water connection

Operating pressure: 1 bis 8 bar / 1×10^5 bis 8×10^5 Pa or 0,3 bis 1 bar / $0,3 \times 10^5$ bis 1×10^5 Pa (after removing the controller valve body)

Water temperature: 10 - 40 °C

Water inlet: Opaque pressure hose with external diameter 6 mm

Water outlet: Hose with internal diameter 12 mm

