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

- Parameterization with the Service Monitor program, logging of error and maintenance messages and firmware update with the SD card

- USB connection for service purposes and for parameterization with the Service Monitor program

- Operation via function keys, which also serve as display elements

Scan the code and visit us on our website!

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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

control room

Testomat® Modul Chlor
coming soon

Testomat® Modul TH

Testomat® Modul Polymer
coming soon
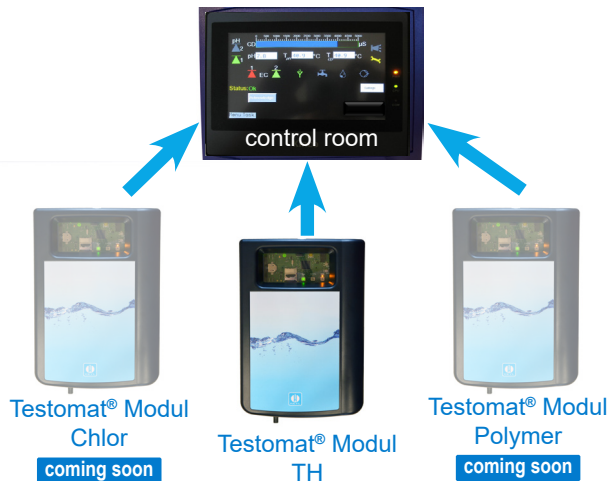
PARAMETRIZATION
WITH THE SERVICE MONITOR PROGRAM

The Testomat® Modul TH settings can be displayed and changed with the Service Monitor program (for operating systems from Windows 7 onwards). The program is stored on the SD card of the device.
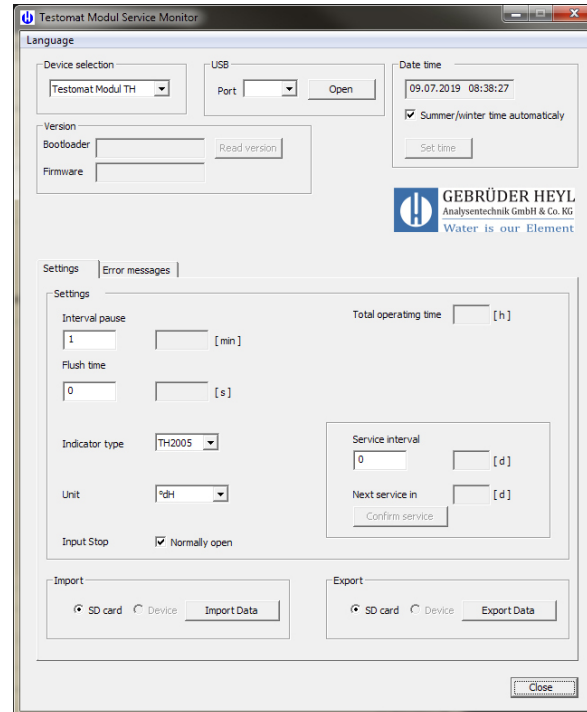
The function keys on the device are used to perform basic functions such as alarm acknowledgement, reset and activating standby mode.

BOOT   RESET
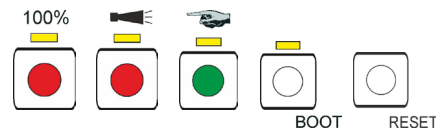
TECHNICAL DATA
OF THE TESTOMAT® MODUL TH

Power supply: 24 VDC, the device is power-failure protected

Power consumption: max.1 A, without external load

Protection class: I

Degree of protection: IP 54

Compliance: EN 61326-1, EN 61010-1

CE

Ambient temperature: 50 - 104 °F

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 = 10.6 x 13.8 x 5.8 inch

Weight: approx. 11.7 lb.

Water supply

Operating pressure: configuration: 0.3 to 1 bar (4.4 to 15.4 psi) or 1 to 8 bar (14.5 to 116 psi)

Water temperature: 50 - 104 °F (a cooler can be installed for temperatures above (104 °F)

Water inlet: 1/4-in inlet fitting

Water outlet: Hose with 0.47 in. internal diameter

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