

## INNOVATIONS

### TESTOMAT® LIMIT

- Newly developed precision pump
- Newly developed measuring chamber with mirror technology
- Newly developed inlet system with integrated pressure regulator and filter
- New TFT panel (touchscreen) with USB interface for updating the panel firmware
- Built-in loudspeaker for acknowledging touchscreen inputs
- Use of all hardness indicators from the proven Testomat 2000® series
- Limit values can be determined by indicator selection for residual hardness from 0.05 - 25.0 °dH
- Cleaning function
- SD card for logging measurement data and updating the device firmware
- Serial RS232 interface for transferring measurement data and messages/alarms
- Analysis triggering
  - o Automatic interval operation (interval pause adjustable from 0 - 60 minutes)
  - o External control
  - o Manual start

## COMPANIES OF THE HEYL NETWORK

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Flyer Testomat Limit EN 251209

## TESTOMAT® LIMIT

AROUND-THE-CLOCK ANALYSIS  
WITH MINIMAL MAINTENANCE



Also with self-cleaning pump!  
(ex works or retrofittable)



Scan the code and  
visit us on our website!

## PERFORMANCE FEATURES

### OVERVIEW OF TESTOMAT® LIMIT

The **Testomat® Limit** is an automatic limit value measurement device that monitors the residual total hardness in water around the clock and reacts immediately to even the smallest deviations. Like all instruments in the Testomat® family, it is characterised by **simplicity, ease of service, reliability, and durability.**

Analyses are carried out in automatic interval mode, with the interval pause freely adjustable between 0 and 60 minutes to suit your specific needs. Additional measurements can be started manually on the device itself or via an external control system.

If predefined limit values are exceeded, the **Testomat® Limit** triggers an alarm so that personnel can respond immediately. An analogue interface also allows analytical results or system statuses to be transmitted to a central control room. Alternatively, the device can send a control signal to downstream systems – such as desalination units or filters – enabling automatic correction of any deviation in water quality.

The reliable 72-hour operating mode ensures continuous monitoring of water quality at weekends or during public holidays. The device automatically calculates in advance whether sufficient indicator is available for the remaining operating period.

The **Testomat® Limit** is suitable for a wide range of applications where water hardness must be monitored, such as:

- electroplating
- large boiler systems
- reverse osmosis systems
- laundries
- commercial kitchens

and many others.

## AVAILABLE INDICATORS

### FOR THE TESTOMAT® LIMIT



The following indicators are available (both 500 ml and 100 ml bottles):

Indicator type	Measuring range
TH2005	0,05 - 0,5 °dH
TH2025	0,25 - 2,5 °dH
TH2050	0,5 - 5,0 °dH
TH2100	1,0 - 10,0 °dH
TH2250	2,5 - 25,0 °dH

Display of the measured values on the TFT screen:



## TECHNICAL DATA

### OF THE TESTOMAT® LIMIT

**Power supply:** 24 DC current

Instrument protection 24 V: T0,8 A

**Power consumption:** max. 16 VA, without external load

**Protection class:** I

**Degree of protection:** IP 44

**Conformity:** EN 61326-1, EN 61010-1

**Ambient temperature:** 10 – 40 °C

**Measuring range:** Due to indicator selection, it is possible to determine limit values for the residual hardness of 0,05 – 25,0 °dH\*

**Contact load relay:** 28VDC/300W or 45VAC/300W ohm resistive load

**Current interface:** Output of defined values (5, 8, 11, 14, 17, 20 mA) for displaying status and error messages, max. load 500 Ohms

**Serial interface RS232:** 9600 Baud, 8 Bit, 1 stopbit, no parity

**SD Card:** Format FAT or FAT32, max. 32GByte

**Dimensions:** W x H x D = 424 x 323 x 138 mm

**Weight:** 4500 g

The device is power-failure protected.

