

FEATURES

- Measuring range for high water hardness
- Quick menu navigation
- LCD clear text display
- Programmable hardness unit in °dH, °f, ppm CaCO₃, mmol/l
- Accurate dosing of reagents via piston-dosing pump
- Reliable low maintenance operation
- Minimum indicator and water consumption
- Two adjustable limit values with programmable switch functions
- Monitoring of two measuring points
- Programmable additional program (e.g. to switch on a cooler or for an analysis message)
- Output for alarm and maintenance messages
- Error documentation (e.g. low water)
- Indicator storage bottle 500 ml for extended operating periods

Optional:

- Current interface (0/4-20 mA)
- Serial interface (serial bus RS232)
- Voltage interface (0/2-10V)
- SD card data logger (upon request)

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TITROMAT® TH

STRONG WITH
HIGH HARDNESS RANGES
(TOTAL HARDNESS)



GEBRÜDER HEYL
Analysetechnik GmbH & Co. KG
Water is our Element

OVERVIEW

TITROMAT® TH

Titromat® TH is used for automatically determining and monitoring the water hardness in aqueous media. The analysis is carried out by adding two reagents.

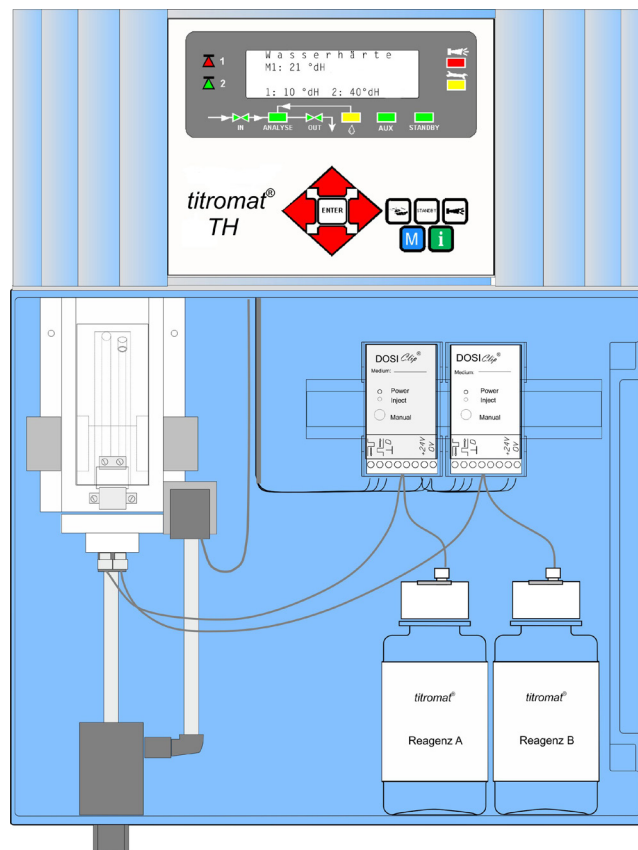
It has been specially developed for high hardness ranges and can be used in the production of drinking water or raw water monitoring.

MEASURING RANGE AND RESOLUTION

UNIT	TH 2500
	Reagent Type / Range
°dH (resolution)	2,5 - 50 (2,5)
°f (resolution)	4,5 - 89,6 (4,5)
ppm CaCO ₃ (resolution)	45 - 894 (45)
mmol/l (resolution)	0,5 - 8,9 (0,5)

INTERNAL CONSTRUCTION

TITROMAT® TH



ORDER NUMBERS

Type	Menu Language			
	German	English	French	Italian
230 VAC	110120	110121	110122	110123
115 VAC	110115	110116	110117	110118
24 VAC	110110	110111	110112	110113

TECHNICAL DATA

TITROMAT® TH

Power supply: 230 VAC, 115 VAC, 24 VAC ± 10%, 50-60 Hz

Power consumption: max. 30 VA, without external load

Protection class: I

Degree of protection: IP65

Conformity: EN 61326-1, EN 61010-1

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

Ambient temperature: 10 - 40 °C

Measuring range: 2,5 - 50 °dH for high water hardness

Load of relay contacts: 240 VAC, 4A

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

Dimensions: WxHxD = approx. 480 x 380 x 280 mm

Weight: approx. 9.5 kg

The device is power-failure protected.

Water connection

Working pressure: 1 to 8 bar / 1x10⁵ to 8x10⁵ Pa or 0.3 to 1 bar / 0.3x10⁵ to 1x10⁵ Pa (after removing the valve body)

Water temperature: 10 - 40 °C

Water intake: Opaque pressure hose with external diameter 6/4x1 mm

Water drain: Hose with internal diameter 12 mm



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