

## FEATURES

- Measuring range 2 - 150 °KH for high carbonate hardness
- Quick menu navigation
- LCD clear text display
- Programmable hardness unit in °dH, °f, ppm CaCO<sub>3</sub>, 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)

## COMPANIES OF THE HEYL NETWORK

### Germany

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### Production and Development

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## TITROMAT® KH

STRONG WITH  
HIGH HARDNESS RANGES  
(TOTAL HARDNESS)



**GEBRÜDER HEYL**

Analysentechnik GmbH & Co. KG

Water is our Element

## OVERVIEW

TITROMAT® KH

The Titromat® KH is used for the automatic determination and monitoring of the carbonate hardness in aqueous media. The various measuring parameters and ranges are determined by the choice of the reagents.

It has been specially developed for high hardness ranges e.g. measuring of alkalinity of open cooling circuits.

## MEASURING RANGE AND RESOLUTION

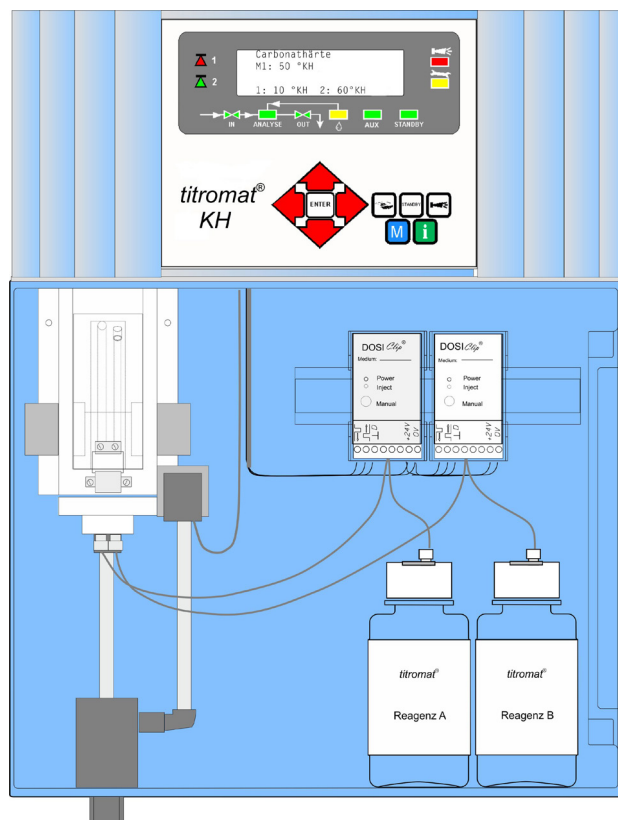
UNIT	Reagent Type / Range	
	TC 2060	TC 2150
°KH (resolution)	2 - 60 (2)	5 - 150 (5)
°f KH (resolution)	4 - 107 (4)	9 - 269 (9)
mmol/l (resolution)	0,7 - 21,4 (0,7)	1,8 - 53,6 (1,8)



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## INTERNAL CONSTRUCTION

TITROMAT® KH



## ORDER NUMBERS

Type	Menu Language		
	German	English	French
230 VAC	110200	110201	110202
115 VAC	110195	110196	110197
24 VAC	110190	110191	110192

## TECHNICAL DATA

TITROMAT® KH

**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 

**Ambient temperature:** 10 - 40 °C

**Measuring range:** 2 - 150 °KH for high carbonate hardness

**Load of relay contacts:** 240 VAC, 4A

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

**Dimensions:** approx. 480 x 380 x 280 mm

**Weight:** 9.5 kg

The device is power-failure protected.

### Water connection

**Working pressure:** 1 to 8 bar /  $1 \times 10^5$  to  $8 \times 10^5$  Pa or 0.3 to 1 bar /  $0.3 \times 10^5$  to  $1 \times 10^5$  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