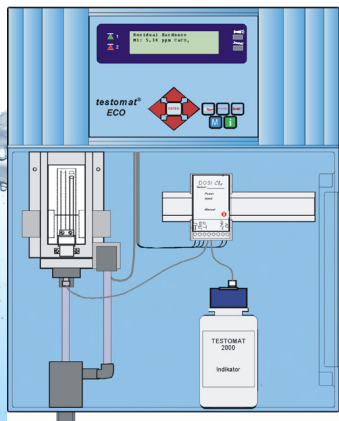


## FUNCTIONAL OVERVIEW

### TESTOMAT ECO® C

- Quick menu navigation
- 2 x 16 digit LCD clear text display
- Programmable hardness unit in °dH, °f, ppm CaCO<sub>3</sub>, mmol/l
- Accurate titration via piston-dosing pump
- Reliable low maintenance operation
- Minimum indicator and water consumption
- Two adjustable limit values with programmable switch functions
- Analysis start:
  - automatic interval mode
  - quantity-dependent (impulse or turbine water meter)
  - external analysis STOP
- Output for alarm messages
- Monitoring of the analysis run and error display (e.g. low water)
- Indicator storage bottle 500 ml/16,9 oz for extended operating periods
- Analogue output 0/4 - 20 mA



Scan the code and visit us on our website!

## COMPANIES OF THE HEYL NETWORK

### Germany

**Gebrüder Heyl Vertriebsgesellschaft für innovative Wasseraufbereitung mbH**

[www.heylnemeris.de](http://www.heylnemeris.de)

Phone: +49 (0) 51 21 76 09 0

Fax: +49 (0) 51 21 76 09 44

Email: [vertrieb@heylnemeris.de](mailto:vertrieb@heylnemeris.de)

### France

**Heyl Analysis Technologies**

[www.hey-at.com](http://www.hey-at.com)

Phone: +33 (0) 1 69 46 17 17

Fax: +33 (0) 1 69 46 17 40

Email: [contact@hey-at.com](mailto:contact@hey-at.com)

### The Netherlands

**Pro Water B.V.**

[www.prowater.nl](http://www.prowater.nl)

Phone: +31 (0) 74 2 91 51 50

Fax: +31 (0) 74 2 91 53 50

Email: [info@prowater.nl](mailto:info@prowater.nl)

### USA

**Heyl Brothers North America L.P.**

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### Switzerland

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Flyer Testomat ECOC GB 210222

## TESTOMAT ECO® C

AUTOMATIC MONITORING OF  
HARDNESS INCREASE  
IN SWIMMING POOLS



**GEBRÜDER HEYL**  
Analysentechnik GmbH & Co. KG  
Water is our Element

## PERFORMANCE FEATURES

### OVERVIEW OF TESTOMAT ECO® C

Testomat ECO® C determines carbonate hardness or acid capacity fully automatically via titration.

The measuring range is:

- 0.5-20.0°dH (carbonate hardness) and
- 0.18-7.16 mmol/l (acid capacity).

It is determined by the indicator selection. You can use the following indicators in Testomat ECO® C:

UNIT	TC 2050*	TC 2100
°dH (resolution)	0.5 - 5.0 (0.5)	1.0 - 20.0 (1.0)
°f (resolution)	0.90 - 17.9 (0.9)	1.79 - 35.8 (1.79)
ppm CaCO <sub>3</sub> (resolution)	8.9 - 179 (8.9)	18 - 358 (18)
mmol/l (resolution)	0.18 - 3.58 (0.18)	0.36 - 7.14 (0.36)

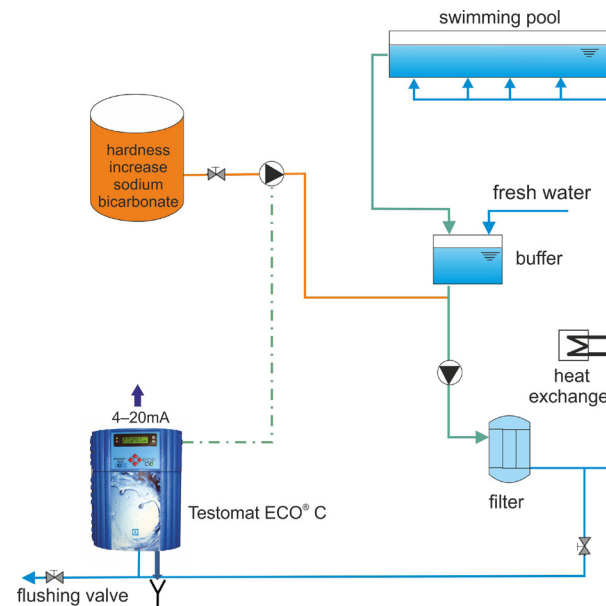
\*extended measuring range

The instrument has been developed for monitoring and controlling the water quality in swimming pools. The hardness of the pool water will be increased fully automatically via online monitoring.

Of course it is possible to install the Testomat ECO® C for monitoring the water quality in water treatment facilities or drinking water plants, too.

## CARBONATE HARDNESS

### MONITORING IN SWIMMING POOLS



DIN 19643 recommends a lower limit of maximum 0.3 mmol in whirlpools and maximum 0.7 mmol in swimming pools. Our recommendation for optimum water quality is 1.5 – 2.0 mmol.

A precise analysis should be carried out at least once a week by means of titration/rapid test.

Use our titration test kit **DUROVAL® KS4,3** (art.-no. 400067) for a precise analysis of the acid capacity. The measuring accuracy is: 0-2.0 mmol/l at a resolution of 0.05 mmol/l.

## TECHNICAL DATA

### OF THE TESTOMAT ECO® C

**Power supply:** 24/115/230 VAC, 50 - 60 Hz  
Instrument protection 230 V: T0.16 A  
Instrument protection 115 V: T0.315 A  
Instrument protection 24 V: T1.0 A

**Power consumption:** max. 25 VA, without external load

**Protection class:** I

**Degree of protection:** IP 65

**Conformity:** EN 61000-6-2,  
EN 61000-6-4, EN 61010-1



**Ambient temperature:** 10 – 45 °C

**Measuring range:** Determinable measuring of total hardness (water hardness) via indicator selection

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

**Dimensions:** W x H x D = 380 x 480 x 280 mm

**Weight:** approx. 9.0 kg

The instrument is non volatile.

### Mains water supply

**Operating pressure:** 1 to 8 bar or 0.3 to 1 bar after removing of the valve body out of the regulator/filter housing

**Water temperature:** 10 – 40°C

**Water inlet:** Opaque hose with 6/4x1 mm external diameter

**Water outlet:** Hose with 12 mm internal diameter