

## NEW FEATURES

- Simplified menu-driven operation and programming via OLED
- Free selection of hardness units in ppm and mg/l
- Selection of analysis trigger:
  - Automatic interval operation
  - Quantity-dependent
  - External analysis stop and analysis start
- Firmware update via SD card
- Built-in self-test with ongoing monitoring
- Monitoring of 1 or 2 measuring points
- optional automatic programmable self-cleaning of the measuring chamber
- Logging on SD card for measurement data and alarms
- Ethernet network connection with web server for graphic display of measured values and alarms
- Notification by e-mail of new measured values, alarms and limit value violations

## COMPANIES OF THE HEYL NETWORK

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Flyer Testomat PRO FE EN 240311

## TESTOMAT® PRO FE

FOR MONITORING DISSOLVED IRON  
IN DRINKING WATER SYSTEMS



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

## PERFORMANCE PROFILE

### TESTOMAT® PRO FE

The **Testomat® Pro FE** process photometer automatically determines and monitors the dissolved iron content (II)+(III) in water. The measuring range is 0 - 1.0 mg/l. The deviation is 0.03 ppm in the measuring range of 0.00-0.70 ppm and 0.05 ppm in the measuring range of 0.70-1.00 ppm.

All measurements and messages such as limit value violations can be received via the RS232 interface as well as by e-mail or via the web server.

Of course, all settings, FTP and web access can be password protected.

The **Testomat® Pro FE** ensures water quality by monitoring de-ironing plants as well as process or drinking-water flows.

## LEGAL LIMITS IRON

In accordance with legal regulations, drinking water may contain no or only very small quantities.

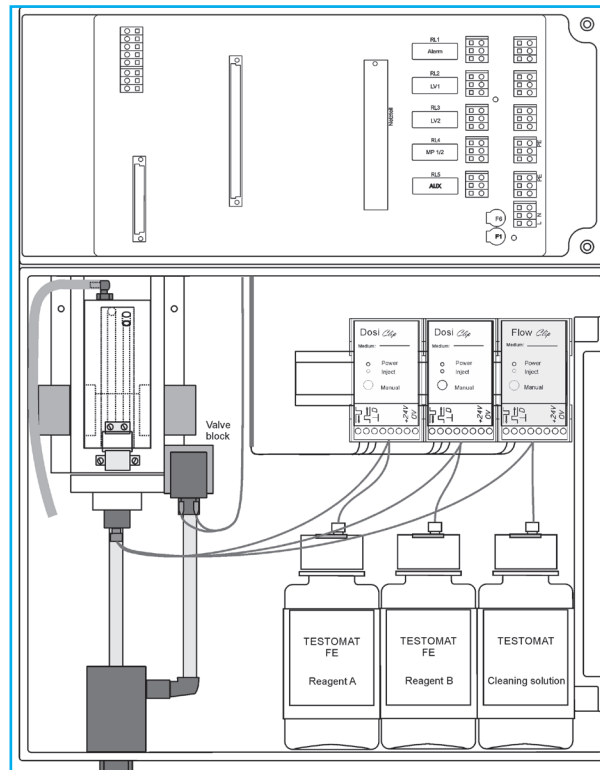
Limit values for drinking water (WHO guidelines):

- Iron 0,2 mg/l

In addition to drinking water, industrial water is usually also treated before use to ensure that it is free from higher levels of these compounds.

## DETAILS

### OF TESTOMAT® PRO FE



Internal design with three dosing pumps for precise analysis of iron content and cleaning function for flushing the measuring chamber.

## AVAILABLE REAGENTS

REAGENT TYPE		QUANTITY
Testomat FE2005A	reagent A	500 ml
Testomat FE2005B	reagent B	500 ml
Self clean cleaning solution*	cleaning solution	500 ml

\* For removing lime deposits and biofilms.

## TECHNICAL DATA

### TESTOMAT® PRO FE

**Power supply:** 100 - 240 VAC  $\pm$  10 %, 50-60 Hz

**Power consumption:** max. 230 V (100-240 V)/4 A, without external load  
230 V (100-240 V)/1 A

**Protection class:** I

**Degree of protection:** IP44

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

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

**Ambient temperature:** 10 – 40 °C

**Measuring range:** 0 to 1 ppm

**User power supply:** Switched power supply with 4A fuse-protected

**Durability relay:** DC: 8A at 30V or 0.28A at 250V  
AC: 8A at 415V

**Current interface:** 2 x 20 mA, maximum load 500 ohm corresponding to 10V voltage, voltage isolated

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

**Weight:** approx. 9.5 kg

The device is power-failure protected

## Water supply

**Operating 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 of the valve body out of the regulator/filter housing)

**Water temperature:** 10 – 40°C

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

**Water outlet:** Hose with an internal diameter of 12 mm.

