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# Hardness meter

con 2000 hardness

**Analyser for hardness titration  
in power plants (in particular in  
cooling-water circuits) and  
in the industry**



## Physical characteristics and highlights

- Photometrical end-point determination
- Very precise end-point determination of the equivalence point via photometrical evaluation of the colour-change from the titrant
- Precise metering of the titrant by using a peristaltic pump with stepping motor
- Polypropylene flow-through holder for the sample and for mounting of the light emitting diode and the receiver
- Ingenious method for accurate determining the sample volume by means of siphons incorporated in the flow-through holder
- A magnetic stir bar guarantees the homogeneous mixture in the measuring cell



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## Technical Data

Mains voltage:	220...240 V 50/60 Hz
Power consumption:	20 VA
Type of protection:	IP 65
Display:	LCD-display, 4 lines, backlit
Current output:	0/4-20 mA galvanic separated, max. load 500 Ω
Registration range:	freely selectable within measuring range
Relay output:	1 alarm relay
Connections:	Clamp-type terminals for cables up to 1,5 mm <sup>2</sup> max.
Dimensions (W x H x D) :	500 x 700 x 250 mm
Weight:	ca. 15 kg
Permissible operating temperature:	0 °C - + 50 °C
Permissible storage temperature:	- 20 - + 65 °C
Permissible temperature of sample:	max. 40 °C
Measuring range:	0,1 °dH – 2,0 °dH 1,0 °dH – 20 °dH
Calibration:	manual, with stock solution (known hardness-value), depend on measuring range
Electr. safety:	IEC 1010, IEC 664
Marking:	CE-marking