

AQUACON Process analysers



AQUACON process analysers are available as photometers, titrators and ion-selective analysers and can be used for the monitoring in cooling towers, boiler houses and water treatment plants.

Aquacon process analysers with touchscreen - for potable water, boiler water and cooling water

The new AQUACON process analyser series consists of a control unit with touchscreen and an analysis unit with measuring chamber, valve, dosing pumps and all required tube connections.

The control unit with a microprocessor takes care for the automatic procedure of analysis. The analysis results can be used for the monitoring/control of a supervised process. Aquacon analysers are available for several parameters of the water analytic.

- ⇒ Reliable process analysis
- ⇒ automatic operation incl. self test and drift compensation,
- ⇒ easy operation via touchscreen,
- ⇒ adjustable limit and alarm value,
- ⇒ programmable analog output (0/4-20 mA),
- ⇒ adjustable break time between two analysis
- ⇒ external start/stop of an analysis possible,
- ⇒ low consumption of reagents and sample water,
- ⇒ no external calibration required.



Your advantages

- ⇒ International process analyser version with touchscreen, mounted in two chemical consistent polycarbonate wall cabinets (size: appr. 640 x 315 x 190 mm).
- ⇒ External connections with IP65 protected plug connected plugs (for alarm relay, limit relay, analysis relais, external start/stop, analog output 0/4-20 mA).
- ⇒ Multi range power supply (110 – 230 Volt, 50 – 60 Hz) for the variable use in several countries.

AQUACON – Product portfolio

Parameter	Type	Range	Order No.
AQUACON titrators			
Residual hardness	AQUACON RH-S	1,0 – 10 µmol/l	693 2702 02
	AQUACON RH	0,5 – 9 ppm CaCO ₃	693 2705 01
Total Hardness	AQUACON GH05	4 – 70 ppm CaCO ₃	693 2764 01
	AQUACON GH10	30 – 350 ppm CaCO ₃	693 2765 01
	AQUACON GH20	50 – 900 ppm CaCO ₃	693 2766 01
Carbonate Hardness	AQUACON CH10	0,3 – 10 °dH	693 2854 01
	AQUACON CH20	0,6 – 20 °dH	693 2855 01
+/- m-Value	AQUACON +m10	0,1 – 3,5 mmol/l	693 2744 02
	AQUACON +m20	0,2 – 7,0 mmol/l	693 2745 02
	AQUACON -m10	0,1 – 3,5 mmol/l	693 2774 02
	AQUACON -m20	0,2 – 7,0 mmol/l	693 2775 02
+/- p-Value	AQUACON +p10	0,1 – 3,5 mmol/l	693 2744 03
	AQUACON +p20	0,2 – 7,0 mmol/l	693 2745 03
	AQUACON -p10	0,1 – 3,5 mmol/l	693 2774 03
	AQUACON -p20	0,2 – 7,0 mmol/l	693 2775 03
Chlorine dioxide	AQUACON CLO2	0,02 – 0,5 ppm	693 2730 01
AQUACON photometers			
Chlorine (free or total)	AQUACON CL2	0,02 – 2 ppm	693 2725 01
Chlorine (free and total)	AQUACON CHLOR	0,02 – 2 ppm	693 2725 02
Chlorite	AQUACON CHORIT	0,02 – 1 ppm	693 2740 01
Hydrazine	AQUACON N ₂ H ₄	0,02 – 1 ppm	693 2795 01
Iron	AQUACON Fe10	10 – 500 ppb	693 2754 01
	AQUACON Fe20	0,1 – 20 ppm	693 2755 01
Ortho phosphate	AQUACON PO ₄ -10	0,05 – 10 ppm	693 2784 01
	AQUACON PO ₄ -20	0,5 – 50 ppm	693 2785 01
Silica (Si)	AQUACON Si05	2 – 100 ppb	693 2733 01
	AQUACON Si10	2 – 500 ppb	693 2734 01
	AQUACON Si20	0,01 – 1,5 ppm	693 2735 01
Silicic Acid (SiO ₂)	AQUACON SiO ₂ -01	1 – 100 ppb	693 2732 02
	AQUACON SiO ₂ -05	4 – 200 ppb	693 2733 02
	AQUACON SiO ₂ -10	4 – 999 ppb	693 2734 02
	AQUACON SiO ₂ -20	0,02 – 3,0 ppm	693 2735 02
Sulphite	AQUACON SO ₃ -10	0,5 – 20 ppm	693 2864 01
Polyacrylate	AQUACON PA10	1,0 – 20 ppm	693 2814 01
	AQUACON PA20	10 – 150 ppm	693 2815 01
AQUACON ion-sensitive			
Fluoride	AQUACON F10	0,1 – 10 ppm	693 7104 01
	AQUACON F20	1 – 100 ppm	693 7105 01
	AQUACON F30	5 – 500 ppm	693 7106 01
Other parameters (Ca ²⁺ , NH ₄ ⁺ , NH ₃ , NO ₃ , pH...) or ranges on request. Technical data and specifications subject to change.			

Company history

- 01.01.1973 Founding of the company Iotronic in Elze by the owner Mr. Offen
- 1973 Production of conductivity analysers, control units and blowdown plants
- 1974 Diversification of the product portfolio with measuring devices for pH-value, redox potential and chlorine.
- 1978 Production of pool control units
- 1984 Change-over to microprocessor technology
- 1987 - 1991 Relocation to the new production rooms in Springe/Eldagsen
- 1991 Extension of the product portfolio with process analysers for potable water, boiler water and cooling water
- 1993 Production of PAA process analysers
- 1996 Introduction of the AQUACON analyser series
- 2001 VD/TÜV approval for residual hardness and conductivity analysers (Certification No. 001/01)
- 2002 Development and production of the AQUACON ClO₂ analyser for selective chlorine dioxide measurement
- 2003 Development and production of chlorine dioxide plants (new branch water disinfection)
- 2010 Development and production of ultrafiltration systems with integrated disinfection and of water treatment plants (new branch water treatment)

Contact



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