

# AQUACON SIO2-05 / AQUACON SIO2-10 / AQUACON SIO2-20



## Determination of silicic acid concentration

### Applications

- Monitor of steam quality in steam production plants
- Monitoring and control of ion exchange plants.

### Order information

Model			Order no.
AQUACON SIO2-05			690 2733 02
AQUACON SIO2-10			690 2734 02
AQUACON SIO2-20			690 2735 02
Reagents			Order no.
Reagent 1	SI R1001	250 ml	101 2735 01
		5000 ml	101 2735 02
Reagent 2	SI R1003	500 ml	103 2735 01
		5000 ml	103 2735 02
Options			Order no.
Enclosure made of glass fibre reinforced Polyester			125 0010 01
Control-valve for the adjustment of sample flow.			125 0014 01

### Working principle

Photometric determination of dissolved silicic acid after forming of a reduced  $\beta$ -Silicomolybdateacid.

### Technical Information

Instrument type	AQUACON SIO2-05	AQUACON SIO2-10	AQUACON SIO2-20
Measuring range	4 - 200 ppb $\text{SiO}_2$	4 - 999 ppb $\text{SiO}_2$	0,02 - 3 mg/l $\text{SiO}_2$
Resolution	1 ppb $\text{SiO}_2$	2 ppb $\text{SiO}_2$	0,02 mg/l $\text{SiO}_2$
Accuracy	2% of end value	2% of end value	3% of end value
Reproducibility	2 ppb $\text{SiO}_2$	4 ppb $\text{SiO}_2$	0,04 mg/l $\text{SiO}_2$
Zero point	automatic adjustment		
Sample	Pressure Temperature Volume (ca.) Condition Chemical condition Drain		
Reagents	Number Storage temperature Consumption / analysis (ca.) Volume Number of analysis (ca.)		
Analysis	Duration (ca.) Break		