

Process photometer in drinking water treatment

Main catalogue



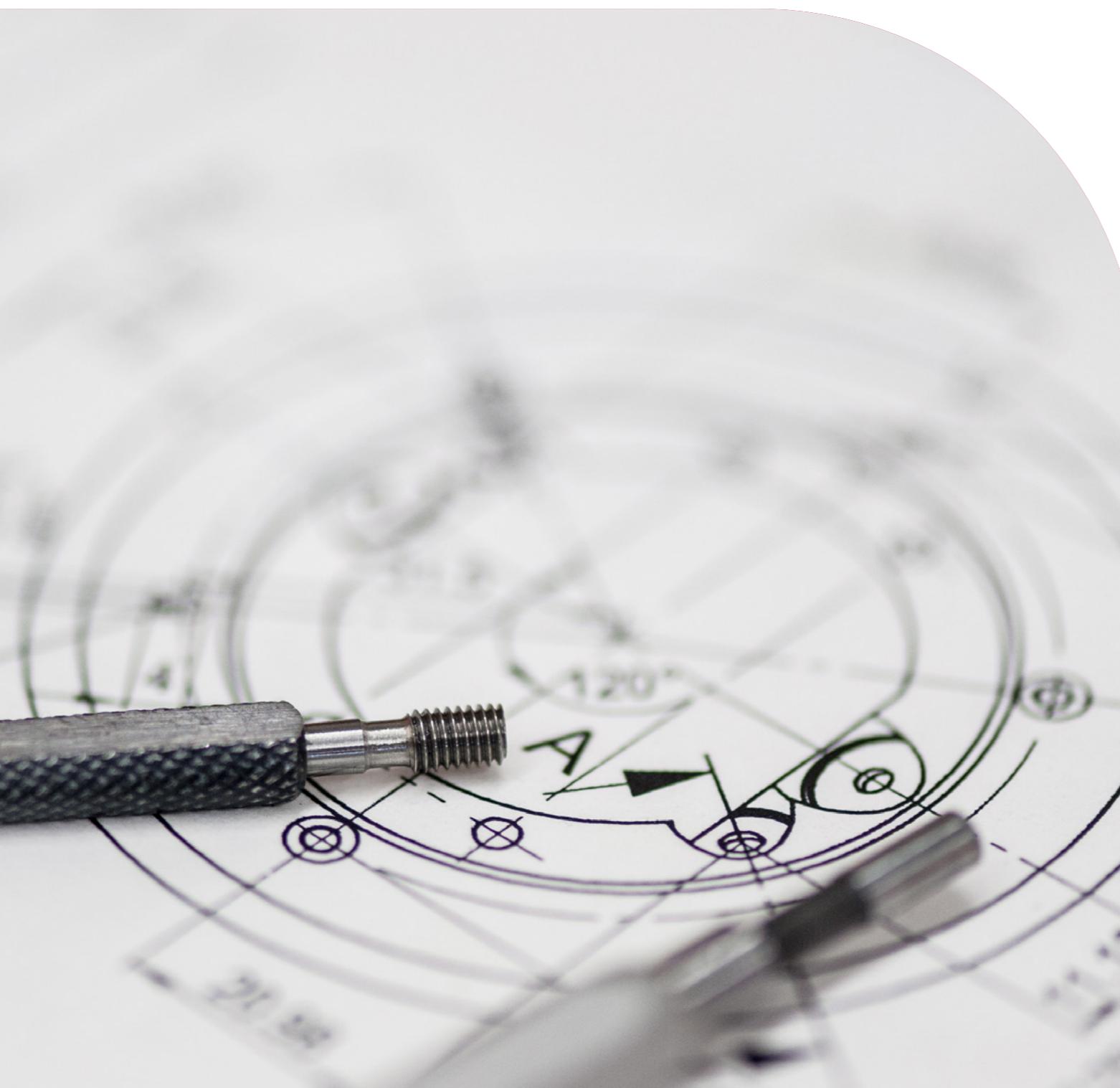
swiss made
since 1946

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Swiss Quality

Precise and high quality. Since 1946.



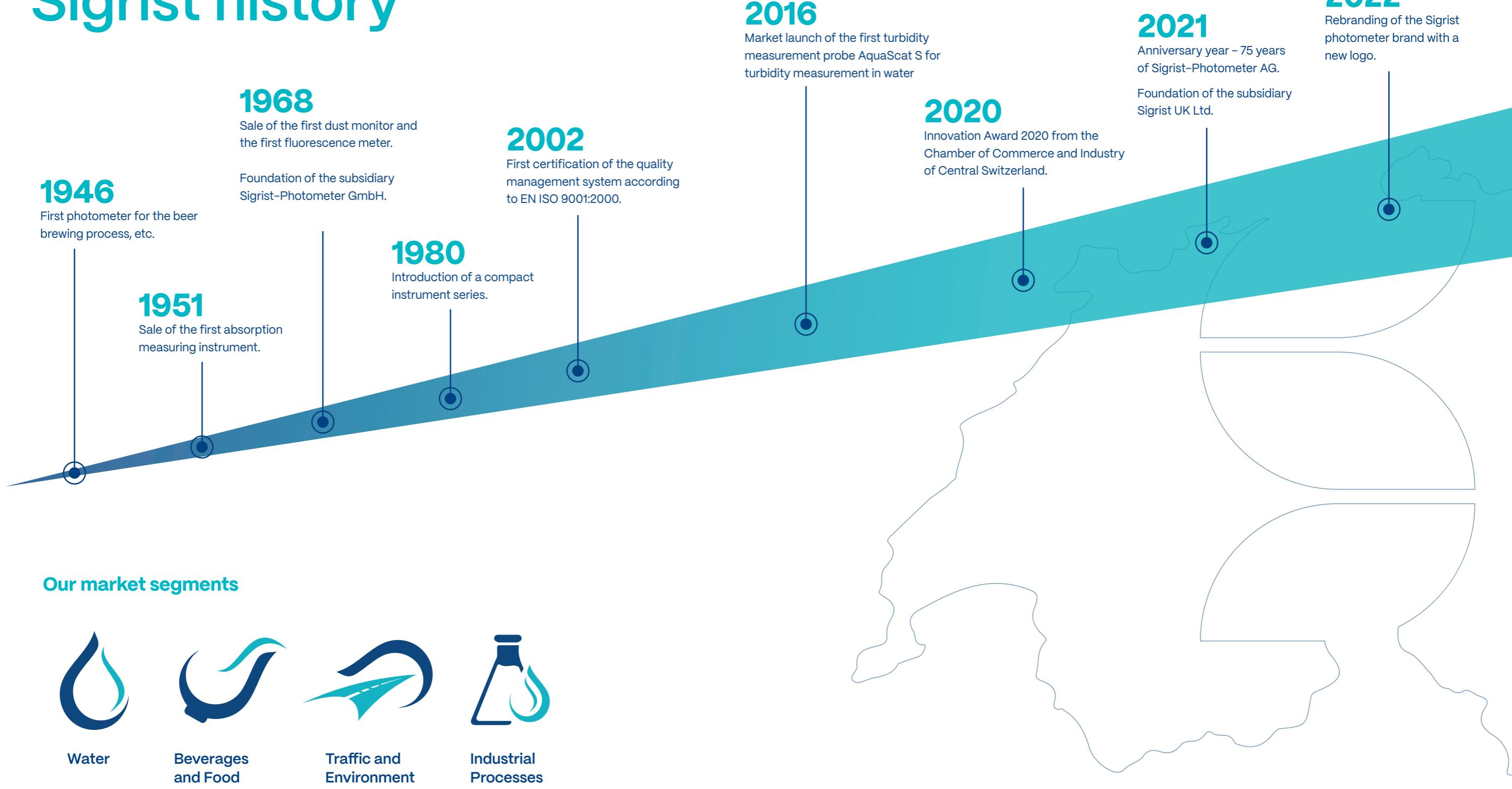
Tradition and innovation combined

Sigrist-Photometer AG with its roots and headquarters in Ennetbürgen, Switzerland, has been developing, manufacturing and marketing high-quality optical measuring instruments for use in water treatment, food industry, industrial processes as well as traffic and environment since 1946. We are one of the sector's technology and quality leaders and our products are sold in over 80 countries. With great commitment, our 85 employees contribute to the sustainably positive development of the company and the appreciative corporate culture.

The large network of sales and service partners ensures competent advice around the world and supports customers in the practical use and service of all Sigrist products.

swiss  made
since 1946

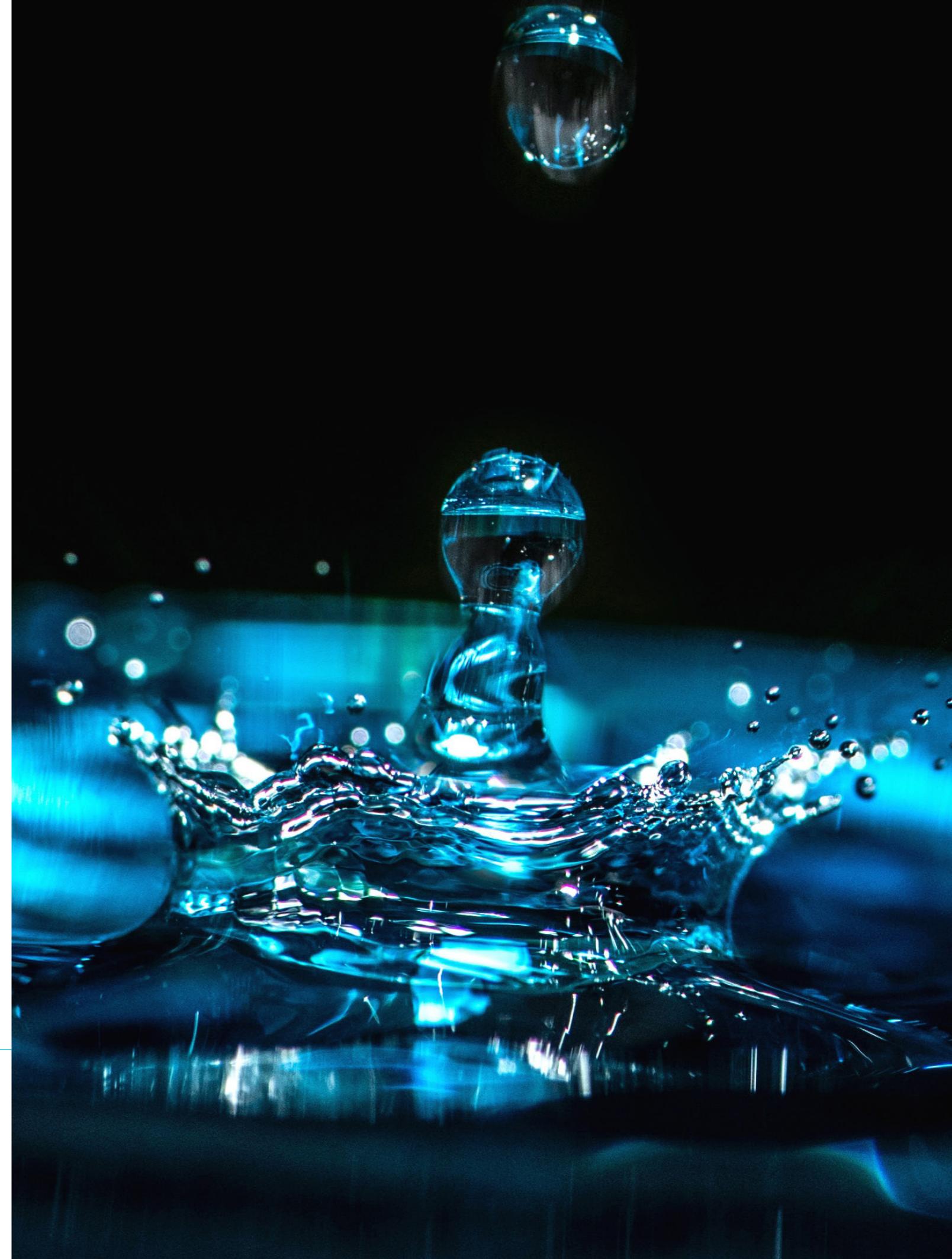
Excerpt from the Sigrist history



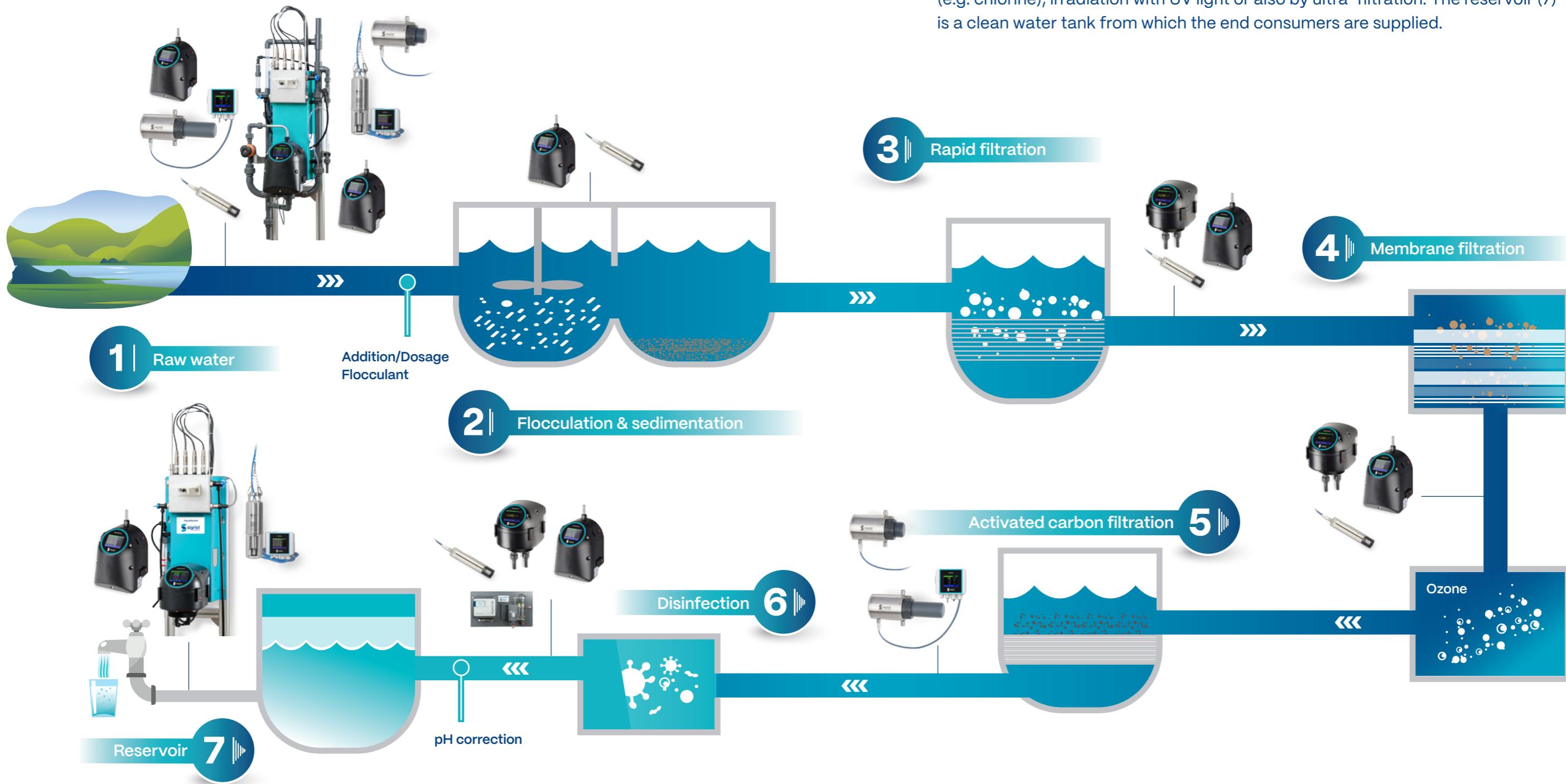
Sigrist process photometers in drinking water treatment

With our process photometers, we monitor that raw water is turned into clean high-quality drinking water. Drinking water treatment begins with the extraction of raw water. The latter varies depending on the country or geographical location and comes either from surface water, groundwater or natural springs. The degree of contamination determines how extensive the treatment must be. Typical treatment steps in drinking water supply are the addition of flocculants with sedimentation, filtration, disinfection or the regulation of the pH value. Our measuring devices can be used before or after these processes. In doing so, they serve to monitor or control the processes and make a reliable contribution to ensuring perfect drinking water quality.

"Water is our most important resource!"



Treatment of surface water



In the case of heavily polluted raw water (e.g. lake water) flocculants are added after extraction (1). These bind suspended matter and promote its coagulation. The heavy particles settle in a sedimentation tank (2) and the water is then filtered (3, 4). Various filtration processes are used, which not only retain turbid or suspended particles, but also algae or bacteria. The filtered raw water is often oxidised with ozone and then treated with activated carbon (5). This breaks down and removes inorganic and organic substances. In the final step, the water is disinfected before it flows into a reservoir. The water is disinfected (6) by adding chemical substances (e.g. chlorine), irradiation with UV light or also by ultra-filtration. The reservoir (7) is a clean water tank from which the end consumers are supplied.

Groundwater treatment

Groundwater is usually of drinking water quality. The rock layers in the ground serve as a natural filter that frees the water from dissolved organic substances and biological contaminants. This reduces treatment to a minimum. Raw water (1) is extracted directly from the ground. The water is then disinfected (6) and pumped into a reservoir (7). In some cases it is also fed directly into the drinking water network without disinfection.



Reliable quality measurement with savings effect

Water treatment usually consists of several processes, some of which are costly. Raw water is purified in order to provide consumers with clean and safe drinking water. Water suppliers sometimes have to accept high operating costs in order to achieve the desired drinking water quality. At the same time, consumers want to pay the lowest possible price for water. Suppliers can therefore only control their process costs through optimized treatment.

In the following example, we show how our solutions lead to efficient water treatment while maintaining the necessary quality.

The Solution

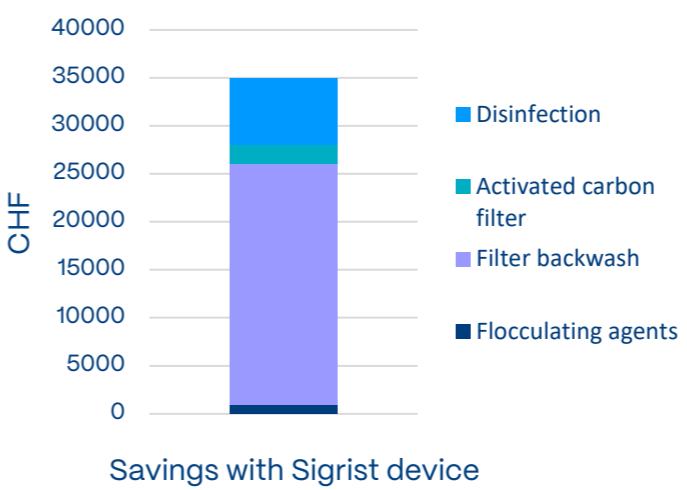
Sigrist offers quality and process control for each process step in water treatment using the appropriate photometers. Based on a typical surface water treatment plant, this consists of seven steps:

1. Raw water catchment
2. Addition of flocculant and sedimentation
3. Rapid filtration
4. Membrane filtration
5. Activated carbon filtration after treatment with ozone
6. Disinfection
7. Reservoir and network feed

Typical Application

A medium sized waterwork pumps 1 million m³ of water per year. The price of drinking water is 1.5 CHF/m³. The suppliers do not operate on a profit-oriented basis, but on a cost-covering basis.

The Customer Benefit



Savings with Sigrist device

- Controlled flocculant dosing using turbidity measurement can save a waterworks almost CHF 1000 per year.
- Monitoring the filters with turbidity and flow rate (or alternatively pressure drop) can save CHF 25'000 per year. The filters are only flushed as required, which reduces water and energy costs.
- Regenerating an activated carbon filter is very energy-intensive. The activated carbon is cleaned in a multistage process. Temperatures of up to 800°C are required. The filter service life can be optimized by measuring SAK 254 after filtration. It is estimated that annual costs of CHF 2000 can be saved.
- During the disinfection step – especially when using UV light – the control of the input turbidity ensures that cleaning intervals are extended. This can save several thousand CHF per year because the service life of the lamps is extended.
→ Overall, the operating costs of the waterworks are reduced by at least CHF 35'000 per year!

Technical details

What makes our devices stand out:

- High accuracy; also enables control of critical process steps with the smallest change in measured value.
- We do not offer a measuring device, but a measuring solution!
- The standard version already includes 2x analog signal outputs, various digital signal outputs and Modbus TCP communication. This enables the customer to design a variety of flexible solutions.
- The low power consumption of our devices combined with the low maintenance requirements reduce the operating costs for operators to a minimum.

The right product for every process step:



Overview



Products	Turbidity	Disinfectant	pH	Redox	Conductivity	Dissolved oxygen	Nitrate	SAC 254	Colour	Poly-aromatic hydrocarbons (PAH)	Oil traces
AquaScat 2 WTM (A)	●										
AquaScat HT	●										
AquaScat 2 P	●										
AquaScat S	●										
AquaDMS		●									
AquaMaster	(●)	(●)	(●)	(●)	(●)	(●)	(●)	(●)			
AquaGuard PR 30	●	(●)	(●)	(●)	(●)						
ColorPlus 3 SAC 254							●	(●)			
ColorPlus 3 Nitrate						●					
OilGuard 2 W (A)									●	●	
OilGuard PR 30									●	●	

● Recommended product (●) Depending on the product variation

Products	Raw water	Flocculation	Filtration	Decarbonisation	Ultra-filtration	Reverse osmosis	Disinfection	Clean water	Distribution network
AquaScat 2 WTM (A)	●●	●●	●●		●●			●●	
AquaScat HT	●●	●	●						
AquaScat 2 P	●	●	●		●●			●●	
AquaScat S	●●	●	●●		●●			●●	●●
AquaDMS							●●		
AquaMaster	●			●				●●	
AquaGuard PR 30	●							●●	
ColorPlus 3 SAC 254	●		●●						
ColorPlus 3 Nitrate	●					●			
OilGuard 2 W (A)	●●								
OilGuard PR 30	●●							●●	

●● Recommended ● Possible, depending on the application

Our products for perfect drinking water quality



AquaScat 2 WTM A



Applications

- 1 – Turbidity in raw water
- 2 – Turbidity in sedimentation stage, dosing of flocculants
- 4 – Turbidity before/after membrane filtration
- 6 – Turbidity before/after disinfection
- 7 – Turbidity in drinking water before network distribution

The AquaScat 2 WTM A measures turbidity in water according to the ISO 7027 standard. The measurement is carried out in a free falling water jet without touching the optical components. This allows turbidity to be measured precisely over a wide measuring range without drift. The integrated solid reference automatically and periodically adjusts the calibration without the need for formazine. This reduces operating costs to a minimum.

Innovations with real benefits



Non-contact free-fall measurement

- No contamination of the optical components and thus no cleaning effort
- No zero point drift



Automatic adjustment of instrument calibration

- No need for formazine
- Reproducible and reliable in the field
- Low maintenance



High dynamic measuring range due to sophisticated instrument design

- Low stray light allows accurate measurement of lowest turbidities or turbidity changes (< 0.01 FNU)
- Ideal for use in critical process control applications and also for measuring polluted raw water



Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and individual configurations possible (master software, interfaces)



IO: 0/4..20 mA
Modbus TCP

Profibus DP

Profinet IO

Modbus RTU

1

2

Photometer product variants and sets	
AquaScat 2 WTM A + wall mounting	AquaScat 2 WTM A
122645	118993 * * * ***
122646	122638
122647	122639
122648	122640

* 123509: 118993 with activated Master Software

** 123512: 118993 with activated Master Software and activated Software for 1x Hamilton-probe

*** 123513: 118993 with activated Master Software and activated Software for 2x Hamilton-probes

** *** Please select probe on the right side

Main technical details

Measuring range	0 ... 4000 FNU
Resolution	0.001 FNU
Sample conditions	0 ... 40 °C, unpressurised
Sample flow	min. 1.3 l/min
Voltage	18 ... 30 VDC
Power	max. 8 W
Recalibration	automatic
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP54
Conformities	CE

Full details and
technical data:



Accessories

- + 119045 24VDC power supply 20W
- + 118811 Hose kit for long level control for AquaScat 2
- + 118778 Deaeration tube
- + 121475 Vortex flow sensor measuring instrument

Available Hamilton probes

- + 119497 Oxygen sensor, initial equipment
- + 123117 pH sensor, initial equipment
- + 123118 Redox sensor, initial equipment
- + 123119 Conductivity sensor, initial equipment

Consumables

- + 119571 pH 4 buffer, 500ml
- + 119506 pH 7 buffer, 500ml
- + 119507 pH 10 buffer, 500ml
- + 119508 Redox buffer 475mV, 500ml UN-3264, Class 8
- + 119509 Conductivity standard 147uS/cm, 500ml
- + 119602 Cleaning set for sensors: AquaMaster UN1789 / UN1824, Class 8

AquaScat 2 WTM



Applications

- ① – Turbidity in raw water
- ② – Turbidity in sedimentation stage, dosing of flocculants
- ④ – Turbidity before/after membrane filtration
- ⑥ – Turbidity before/after disinfection
- ⑦ – Turbidity in drinking water before network distribution

The AquaScat 2 WTM measures turbidity in water according to the ISO 7027 standard. The measurement is carried out in a free falling water jet without touching the optical components. This allows turbidity to be measured precisely over a wide measuring range without drift. Calibration can be checked in the field with a solid-state reference. Operating costs are reduced to a minimum.

Innovations with real benefits



Non-contact free-fall measurement

- No contamination of the optical components and thus no cleaning effort
- No zero point drift



Simple verification of instrument calibration

- No need to use formazine, check carried out with solid state reference
- Reproducible and reliable in the field
- Low maintenance



High dynamic measuring range due to sophisticated instrument design

- Low stray light allows accurate measurement of lowest turbidities or turbidity changes (< 0.01 FNU)
- Ideal for use in critical process control applications and also for measuring polluted raw water



Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and customised configurations possible (master software, interfaces)



1

2

3

Photometer product variants and sets			
AquaScat 2 WTM + checking unit + wall mounting	AquaScat 2 WTM + checking unit	AquaScat 2 WTM + adaption of checking unit to another AquaScat 2 WTM	
IO: 0/4..20 mA Modbus TCP	123072	123060 * * * *	123061
Profibus DP	123073	123062	123063
Profinet IO	123074	123064	123065
Modbus RTU	123075	123066	123067

* 123510: 123060 with activated Master Software

** 123514: 123060 with activated Master Software and activated Software
for 1x Hamilton-probe*** 123515: 123060 with activated Master Software and activated Software
for 2x Hamilton-probes

** *** Please select probe on the right side

Main technical details

Measuring range	0 ... 4000 FNU
Resolution	0.001 FNU
Sample conditions	0 ... 40 °C, unpressurised
Sample flow	min. 1.3 l/min
Voltage	18 ... 30 VDC
Power	max. 8 W
Recalibration	manual, with solid state reference
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP54
Conformities	

Full details and
technical data:

Accessories

- 119045 24VDC power supply 20W
- 118811 Hose kit for long level control for AquaScat 2
- 118778 Deaeration tube
- 121475 Vortex flow sensor measuring instrument

Available Hamilton probes

- 119497 Oxygen sensor, initial equipment
- 123117 pH sensor, initial equipment
- 123118 Redox sensor, initial equipment
- 123119 Conductivity sensor, initial equipment

Consumables

- 119571 pH 4 buffer, 500ml
- 119506 pH 7 buffer, 500ml
- 119507 pH 10 buffer, 500ml
- 119508 Redox buffer 475mV, 500ml UN-3264, Class 8
- 119509 Conductivity standard 147µS/cm, 500ml
- 119602 Cleaning set for sensors: AquaMaster UN1789 / UN1824, Class 8

AquaScat 2 HT



Applications

- 1 – Turbidity in raw water
- 2 – Turbidity in sedimentation stage
- 3 – Turbidity before/after filtration stage

The AquaScat 2 HT measures turbidity in water according to the ISO 7027 standard. The measurement is carried out in a free falling water jet without touching the optical components. This allows turbidity to be measured precisely over a wide measuring range without drift. Calibration can be adjusted in the field with a solid-state reference. Operating costs are reduced to a minimum.



Innovations with real benefits



Non-contact free-fall measurement

- No contamination of the optical components and thus no cleaning effort required
- No zero point drift



Simple adjustment of instrument calibration

- No use of formazine necessary, adjustment with solid state reference
- Reproducible and reliable in the field
- Low maintenance



High dynamic measuring range due to sophisticated instrument design

- Reliable measurement of turbidity changes (0.1 FNU)
- Ideal for raw water measurement and filter monitoring



Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and individual configurations possible (master software, interfaces)



①

②

③

Photometer product variants and sets		
AquaScat 2 HT + checking unit + wall mounting	AquaScat 2 HT + checking unit	AquaScat 2 HT + adaption of checking unit to another AquaScat 2 HT
IO: 0/4..20 mA Modbus TCP	123028	123016
Profibus DP	123029	123018
Profinet IO	123030	123020
Modbus RTU	123031	123022
		123017
		123019
		123021
		123023

Accessories

- + 119045 24VDC power supply 20W
- + 118812 Hose kit to long level control with deaeration tube (only for device without wall mount)

Main technical details

Measuring range	0 ... 4000 FNU
Resolution	0.1 FNU
Sample conditions	0 ... 40 °C, unpressurised
Sample flow	min. 1.3 l/min
Voltage	18 ... 30 VDC
Power	max. 8 W
Recalibration	manual, with solid state reference
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP54
Conformities	CE UK

Full details and
technical data:

AquaScat 2 P



Applications

- 1 – Turbidity of raw water with high gas content
- 3 – Turbidity after rapid filtration
- 4 – Turbidity before/after membrane filtration
- 6 – Turbidity before/after disinfection
- 7 – Turbidity in drinking water before network distribution

The AquaScat 2 P measures turbidity in water according to the ISO 7027 standard. The measurement is carried out in a closed measuring cell and is particularly suitable for applications with pressure or high gas content in the sample. The measurement of scattered and transmitted light reduces window contamination and thus the need for maintenance. Calibration is adjusted with a solid reference.

Innovations with real benefits



Optimised measuring cell with dual-beam measuring technology

- Measurement of transmitted and scattered light for compensation of window contamination
- Extended cleaning intervals



Simple adjustment of instrument calibration

- No need to use formazine, adjustment with solid-state reference
- Inexpensive, fast and reliable



Ideal measuring range for applications in drinking water

- Low stray light
- Cell design allows measurements of the smallest turbidities (< 0.01 FNU)
- Suitable for process-critical controls



Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and individual configurations possible (master software, interfaces)



1

2

3

4

Photometer product variants and sets

AquaScat 2 P
+ checking unit
+ flow regulator 16/16 mm
+ wall mounting



AquaScat 2 P
+ checking unit
+ flow regulator 16/16 mm



AquaScat 2 P
+ checking unit



AquaScat 2 P
+ adaption of checking
unit to another
AquaScat 2 P



IO: 0/4..20 mA
Modbus TCP

123051

123043

123035
* * * ***

123036

Profibus DP

123052

123044

123037

123038

Profinet IO

123053

123045

123039

123040

Modbus RTU

123054

123046

123041

123042

* 123511: 123035 with activated Master Software

** 123516: 123035 with activated Master Software and activated Software
for 1x Hamilton-probe

*** 123517: 123035 with activated Master Software and activated Software
for 2x Hamilton-probes

** *** Please select probe on the right side

Main technical details

Measuring range	0 ... 100 FNU
Resolution	0.001 FNU
Sample conditions	0 ... 40 °C, max. 10 bar @ 20 °C
Sample volume	0.2 ... 2.0 l/min
Voltage	18 ... 30 VDC
Power	max. 8 W
Recalibration	manual, with solid state reference
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP65
Conformities	CE UK



Full details and
technical data:

Accessories

- + 119045 24VDC power supply 20W, input 100–240 VAC/47–63Hz
- + 118411 Flow meter with regulating valve and connections 12/12mm
- + 120963 Flow sensor Vortex G1/2"

Available Hamilton probes

- + 119497 Oxygen sensor, initial equipment
- + 123117 pH sensor, initial equipment
- + 123118 Redox sensor, initial equipment
- + 123119 Conductivity sensor, initial equipment

Consumables

- + 119571 pH 4 buffer, 500ml In Sale
- + 119506 pH 7 buffer, 500ml In Sale
- + 119507 pH 10 buffer, 500ml In Sale
- + 119508 Redox buffer 475mV, 500ml UN-3264, Class 8
- + 119509 Conductivity standard 147uS/cm, 500ml
- + 119602 Cleaning set for sensors: AquaMaster UN1789 / UN1824, Class 8

AquaScat S



Certificates and conformities



ACS (Attestation Conformité Sanitaire)

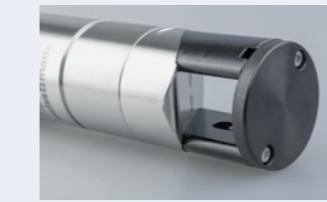
DWI (Drinking Water Inspectorate)

Applications

- 1 – Turbidity in raw water
- 2 – Turbidity in sedimentation step, dosing of flocculants
- 4 – Turbidity before/after membrane filtration
- 6 – Turbidity before/after disinfection
- 7 – Turbidity in drinking water before network distribution

The AquaScat S measures turbidity and temperature in water according to the ISO 7027 standard. The in-line measurement reduces water consumption to a minimum. The available drinking water certifications also allow the use in drinking/fresh water. Calibration is adjusted with a solid reference without the use of formazine. The AquaScat S offers a wide range of installation options and process integrations.

Innovations with real benefits



Precise measurement without water loss

- Measurement of turbidity and temperature directly in the water
- No expensive installations necessary
- Hygienic design with drinking water approvals in several markets

Simple adjustment of instrument calibration

- No use of formazine, adjustment is done with solid state reference
- Inexpensive, fast and reliable

Sophisticated design

- Inclined sensor head for cleaning effect by water flow
- Absorber minimises influence of line reflections or other interferences
- Precise measurements of low turbidity (< 0.01 FNU) possible

Highest flexibility

- Versatile installation options
- Can be used in-line, on-line or off-line
- Various possibilities for electronic connection to existing systems



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10

Photometer product variants and sets										
AquaScat S + Retractable fitting assembly with flange + checking unit + SiCon	AquaScat S + Retractable fitting assembly + checking unit + SiCon	AquaScat S + checking unit + SiCon + pipe flange	AquaScat S + checking unit + SiCon + immersen pipe basic equipment	AquaScat S + checking unit + SiCon M	AquaScat S + checking unit + SiCon	AquaScat S + checking unit + WiFi module	AquaScat S + checking unit	AquaScat S + checking unit + WiFi module + adaptation of checking unit to another AquaScat S	AquaScat S + adaptation of checking unit to another AquaScat S	
IO: 0/4..20 mA Modbus TCP	123104	123100	123099	123098	123097	123096	123094	123092	123095	123093
Profibus DP	123105	123101	123348	123345	123110	123114				
Profinet IO	123106	123102	123349	123346	123111	123108				
Modbus RTU	123107	123103	123350	123347	123112	123109				

Main technical details

Measuring range	0 ... 4000 FNU
Resolution	0.001 FNU
Sample conditions	0 ... 60°C, max. 10 bar @ 20 °C
Sample flow	max. 3.0 m/s
Voltage	24 VDC ± 10%
Power	max. 2 W
Recalibration	manual, with solid state reference
Control unit	SiCon, SiCon M
Outputs	8-pole cable (basic) 1x 0/4 ... 20 mA 2x digital
Inputs	-
Protection class	IP68 (electrical connector IP67)
Conformities	CE UK

Accessories

- + 120510 Connection box Conn-R
- + 120290 SiCon C
- + 120561 PE-fitting



Full details and
technical data:

AquaScat S

with retractable fitting assembly



Certificates and conformities



ACS (Attestation Conformité Sanitaire)

- Applications**
- 1 - Turbidity in raw water
 - 2 - Turbidity in sedimentation step, dosing of flocculants
 - 4 - Turbidity before/after membrane filtration
 - 6 - Turbidity before/after disinfection
 - 7 - Turbidity in drinking water before network distribution

The AquaScat S with retractable assembly is one way of installing the turbidity probe in pipelines. What is the major advantage? The retractable assembly allows the AquaScat S to be easily installed and removed in pipelines with water pressure up to 10 bar. This is done without interrupting the process.

Innovations with real benefits



No process interruption

- Turbidity probe can be inserted and removed from the drinking water pipe under pressure without interrupting the process
- No installation of expensive valves necessary
- All advantages of AquaScat S

1

2



IO: 0/4..20 mA
Modbus TCP

Profibus DP

Profinet IO

Modbus RTU

Photometer Product variants and sets

AquaScat S + Interchangeable fitting and flange connection + Control unit + SiCon	AquaScat S + Retractable fitting assembly + Control unit + SiCon
123104	123100
123105	123101
123106	123102
123107	123103

AquaScat S Mobile



Certificates and conformities



ACS

(Attestation Conformité Sanitaire)

Applications

- 1 – Turbidity in raw water (wells, springs)
- Turbidity measurement at decentralised
- Portable turbidity measurement

The AquaScat S Mobile is a self-sufficient and portable system solution for measuring water turbidity. The case contents consist of the AquaScat S (see p. 34), a SiCon control unit with integrated USB stick and a powerful power bank with a battery life of almost 20 hours. This makes it possible to measure water turbidity quickly and inexpensively anywhere.



Innovations with real benefits



Direct measurement in drinking water

- Measurement in up to 10 m water depth incl. temperature measurement
- Combines all the advantages of the AquaScat S turbidity probe



Full-fledged operating device with logger function

- Displays measured value and measurement history
- USB interface



IO: 0/4..20 mA
Modbus TCP

1

2

Photometer Product variants and sets	
AquaScat S Mobile with L = 10 m cable	AquaScat S Mobile with L = 5 m cable
122306	122343

Main technical details

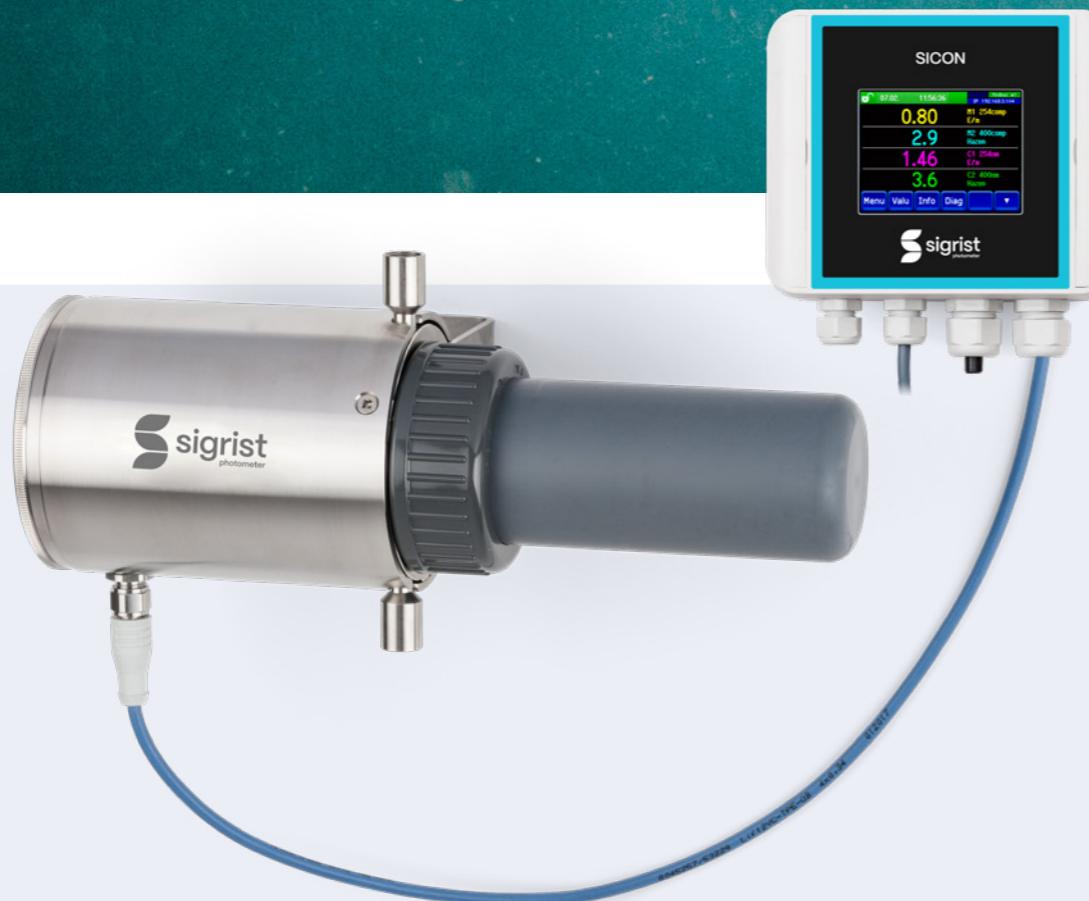
Measuring range	0 ... 4000 FNU
Resolution	0.001 FNU
Sample conditions	0 ... 60 °C, max. 10 bar @ 20 °C
Sample flow	max. 3.0 m/s
Voltage	24 VDC (+/- 10 %)
Power	max. 2 W
Control unit	see SiCon
Outputs	see SiCon
Inputs	see SiCon
Protection class	IP68
Conformities	CE UK CA



Full details and
technical data:



ColorPlus 3 SAC 254



Applications

- 1) – SAC 254 content in raw water, colour in raw water
- 5) – SAC 254 content after activated carbon filtration

The ColorPlus 3 SAC 254 is an absorption measuring instrument for the determination of the concentration of dissolved organic substances. It can also be used for the determination of various colour numbers in water. The sophisticated instrument design has, in addition to an integrated compensation of window fouling, an automatic check of the instrument calibration. The photometer is operated with the SiCon.

Innovations with real benefits



Integrated window fouling compensation

- Output of a warning when cleaning is necessary
- Quick maintenance as required
- Precise measurements due to reduced measurement drift

Flexible and durable optical system

- Halogen lamp with 10-year lifetime
- Use of optical filters between 200 and 800 nm.
- Two additional measuring points possible

Integrated calibration check

- Built-in optical glasses are used for periodic adjustment of factory calibration
- Manual check is no longer necessary and saves costs
- Precise and reproducible

Tool-free access

- Easy and quick servicing
- PVC cover can be removed manually
- High quality parts designed for long product life

ColorPlus 3 SAC 254 Product variants, sets and accessories



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Photometer Produktvarianten und Sets				
ColorPlus3 (SAC254) + SiCon + Wall mounting set with water filter unit	ColorPlus3 (SAC254) + 10 m signal cable + SiCon + Additional filter for Hazen * + Hazen calibration certificate	ColorPlus3 (SAC254) + 10 m signal cable + SiCon + Additional filter * + Hazen calibration certificate	ColorPlus3 (SAC436) + 10 m signal cable + SiCon	ColorPlus3 (SAC254) + 10 m signal cable + SiCon
IO: 0/4..20 mA Modbus TCP	121140 121141	122837 122838	122835 122836	122839 122843
Profibus DP	122847 122850	-	-	122840 122844
Profinet IO	122848 122851	-	-	122841 122845
Modbus RTU	122849 122852	-	-	122842 122846
Path length 100 mm				
Path length 50 mm				

* Wavelengths: 214, 254, 280, 313, 340, 366, 380, 390, 400, 410, 420, 436, 440, 450, 455, 460, 470, 475, 480, 490, 500, 510, 520, 530, 540, 546, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 740, 760 nm.

Accessories

- + 121139 Optical filter in the visible range for ColorPlus 3
- + 120538 Instrument cable 4-pole 20m with connector
- + 120539 Instrument cable 4-pole 30m with connector

Main technical details

Measuring range	0 ... 30 E/m (100 mm path length) 0 ... 60 E/m (50 mm path length)
Resolution	0.001 E
Sample conditions	0 ... 50 °C, max. 6 bar
Sample volume	0.5 ... 1.0 L/min
Voltage	24 +/- 10% VDC
Rating	max. 8 W (incl. SiCon)
Control unit	SiCon, SiCon M
Outputs	see SiCon, SiCon M (p. 76)
Inputs	see SiCon, SiCon M (p. 76)
Protection class	IP67
Conformities	CE UK

Full details and
technical data:



ColorPlus 3 Nitrate



Applications

- 1 - Nitrate concentration in raw water
- 5 - Nitrate concentration in treated water

The ColorPlus 3 Nitrate is used for the on-line determination of nitrate concentration. The sophisticated instrument design has, in addition to an integrated compensation of window fouling, an automatic adjustment of the instrument calibration. Interference (SAC 254, turbidity) are directly compensated. The photometer is operated with the SiCon.

Innovations with real benefits



Integrated window fouling compensation

- Output of a warning when cleaning is necessary
- Quick maintenance as required
- Precise measurements due to reduced measurement drift



Flexible and durable optical system

- Halogen lamp with 10-year lifetime
- Use of optical filters between 200 and 800 nm.
- Two additional measuring points possible



Integrated calibration adjustment

- Built-in optical glasses are used for periodic adjustment of factory calibration
- Manual check is no longer necessary and saves costs
- Precise and reproducible



Tool-free access

- Easy and quick servicing
- PVC cover can be removed manually
- High quality parts designed for long product life



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Photometer product variants and sets			
ColorPlus 3 Nitrate + SiCon + Wall mounting set with water filter unit	ColorPlus 3 Nitrate + SiCon + Wall mounting set	ColorPlus 3 Nitrate + 10 m signal cable + SiCon	
IO: 0/4 ... 20 mA	121845	121864	122817
Profibus	122821	122824	122818
Profinet	122822	122825	122819
Modbus RTU	122823	122826	122820

Accessories

- + 121139 Optical filter in the visible range for ColorPlus 3
- + 120538 Instrument cable 4-pole 20m with connector
- + 120539 Instrument cable 4-pole 30m with connector

Main technical details

Measuring range	0 ... 100 mg/L nitrate
Resolution	0.01 mg/L
Sample conditions	0 ... 50 °C, max. 6 bar
Sample volume	0.5 ... 1.0 L/min
Voltage	24 +/- 10% VDC
Power	max. 8 W(incl. SiCon)
Control unit	SiCon, SiCon M
Outputs	see SiCon, SiCon M (p. 76)
Inputs	see SiCon, SiCon M (p. 76)
Protection class	IP67
Conformities	CE UK



Full details and
technical data:

OilGuard 2 WA



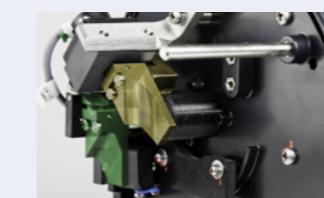
Applications

- 1 – Determination of oil traces and polyaromatic hydrocarbons in raw water

The OilGuard 2 W A measures traces of oil in a free falling water jet without touching the optical components. This allows the unsoiled and unadulterated detection of the smallest traces of oil in water. The turbidity or the colour of the sample do not affect the measurement precision. Calibration is adjusted automatically with a solid reference. The instrument output is in ppb PAH and ppm oil.



Innovations with real benefits



Non-contact free fall measurement

- No contamination of the optical components and thus no cleaning effort required
- No distortion of measurement values by contaminated optical components

Automatic adjustment of instrument calibration

- Easy, replicable and cost-effective
- Precise factory calibration with 16 EPA-PAH and conversion factor to ISO 9377-2 oil

High measuring accuracy

- Smallest traces and quantities of oil detected reliably (< 0.03 ppm oil)
- Early detection of contamination in water

Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and individual configurations possible (master software, interfaces)



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Photometer product variants and sets	
OilGuard 2 W A + wall mounting-set	
121316	121315
Profibus DP	122814
Profinet IO	122815
Modbus RTU	122816
	122740
	122743
	122746

IO: 0/4..20 mA
Modbus TCP

Profibus DP

Profinet IO

Modbus RTU

Accessories

- + 119045 24VDC power supply 20W
- + 118811 Hose kit for long level control for AquaScat 2
- + 121475 Flow sensor Vortex

Main technical details

Measuring range	0 ... 3000 ppb PAH (16 EPA-PAH) 0 ... 100 ppm oil (ISO 9377-2 oil)
Resolution	0.01 ppb (16 EPA-PAH)
Sample conditions	0 ... 50 °C, unpressurised
Sample flow	min. 3 l/min
Voltage	18 ... 30 VDC
Rating	max. 8 W
Recalibration	automatic
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP54
Conformities	

Full details and
technical data:



OilGuard 2 W

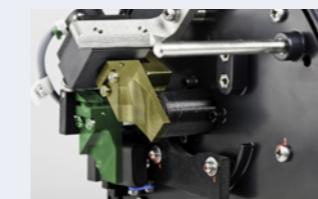


Applications

- 1 – Determination of oil traces and polyaromatic hydrocarbons in raw water

The OilGuard 2 W measures traces of oil in a free falling water jet without touching the optical components. This allows the unsoiled and unadulterated detection of the smallest traces of oil in water. The turbidity or the colour of the sample do not affect the measurement precision. Adjustment of the instrument calibration is done manually with a solid reference. The instrument output is in ppb PAH and ppm oil.

Innovations with real benefits



Non-contact free fall measurement

- No contamination of the optical components and thus no cleaning effort required
- No distortion of measurement values by contaminated optical components

Automatic adjustment of instrument calibration

- Easy, replicable and cost-effective
- Precise factory calibration with 16 EPA-PAH and conversion factor to ISO 9377-2 oil

High measuring accuracy

- Smallest traces and quantities of oil detected reliably (< 0.03 ppm oil)
- Early detection of contamination in water

Integrated control unit with touch screen

- Compact design
- Simple and fast parametrisation directly on the unit
- Flexible and individual configurations possible (master software, interfaces)



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Photometer product variants and sets	
OilGuard 2 W + Checking unit + Wall mounting set	
IO: 0/4..20 mA Modbus TCP	123087
Profibus DP	123088
Profinet IO	123089
Modbus RTU	123090
OilGuard 2 W + Checking unit	
123079	
123080	
123081	
123082	

Accessories



119045 24VDC power supply 20W

Main technical details

Measuring range	0 ... 3000 ppb PAH (16 EPA-PAH) 0 ... 100 ppm oil (ISO 9377-2 oil)
Resolution	0.01 ppb (16 EPA-PAH)
Sample conditions	0 ... 50 °C, unpressurised
Sample flow	min. 3 l/min
Voltage	18 ... 30 VDC
Rating	max. 8 W
Recalibration	manual, with solid state reference
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA 1x optional for flow meter
Protection class	IP54
Conformities	CE UK

Full details and
technical data:



OilGuard PR 30



Applications

- 1 - Determination of oil traces and polyaromatic hydrocarbons in raw water

The OilGuard PR 30 monitors oil traces in water with zero water loss. Even the smallest traces of oil are reliably detected by means of sensitive UV fluorescence. The probe is factory-calibrated with the international standard 16 EPA-PAH; recalibration is carried out with a solid reference. The simple form factor enables a variety of installation options – whether immersed, in-line or in a by-pass installation. Sigrist, thus offers a solution for almost all requirements.

Innovations with real benefits



Oil trace detection directly in the water

The OilGuard PR 30 completes our portfolio of reliable oil-in-water analyzers.

- Oil traces are measured with zero water loss

Sophisticated instrument design

- Tilted head design creates a self-cleaning effect with water flow
- Direct water temperature measurement included in sensor head
- Absorber unit reduces stray light and disturbances from surrounding light

Reproducible instrument calibration

With reproducible calibration we make sure that the instrument can be used as a reliable watchdog

- Factory-calibration with international standard 16 EPA-PAH and conversion to oil equivalents (ISO 9377-2)
- Easy re-calibration with secondary standard (checking unit) in the field

System integration

Mechanical: submersed installation, in-line installation, by-pass installation

Electrical: 8-wire cable with 1x 0/4 ... 20 mA and Modbus TCP output, WLAN-adapter, SICON C, SICON (M), etc.

Communication : Profibus DP, Profinet IO, Modbus RTU



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Photometer product variants and sets				
OilGuard PR 30 + checking unit + SiCon + Extractable assembly	OilGuard PR 30 + checking unit + SiCon + Pipe flange	OilGuard PR 30 + checking unit + SiCon	OilGuard PR 30 + checking unit	OilGuard PR 30 + Adaptation of the checking unit
123577	123574	123559	123455	123545
***	***	***		
***	***	***		
***	***	***		

Main technical details

Measuring principle: UV-fluorescence
 Nominal range: 0 ... 500 ug/L (ppb) 16 EPA-PAH
 Measuring ranges: 8, freely programmable
 Sample temperature: 0 ... 60°C
 Protection class: IP 68

Full details and technical data:



IO: 0/4..20 mA

Profibus DP

Profinet IO

Modbus RTU

*** available on request

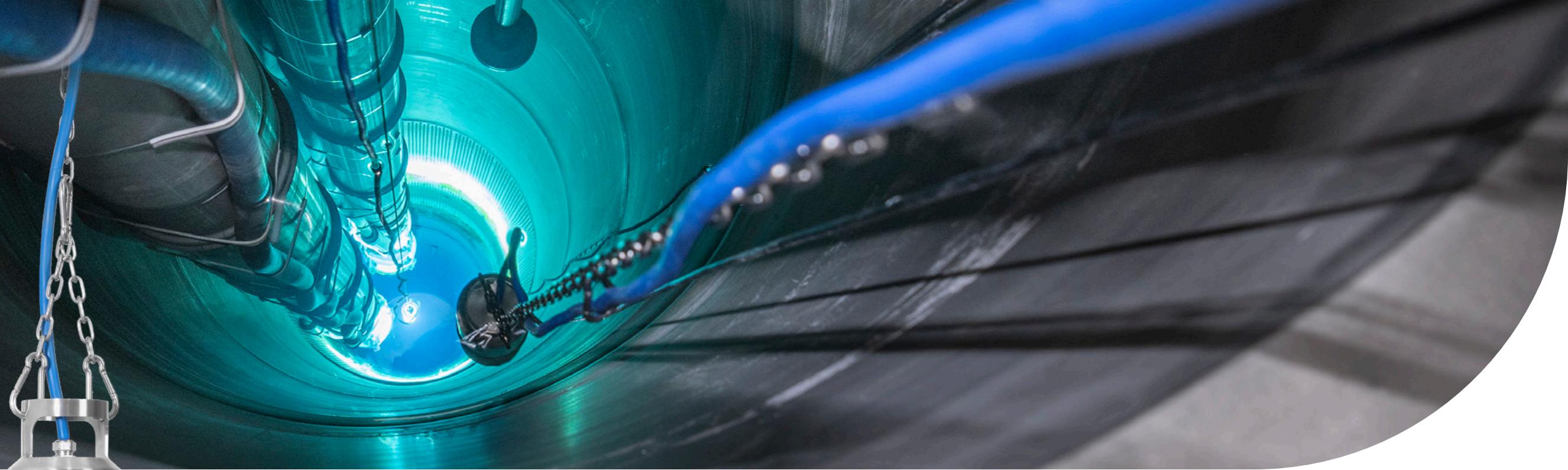
AquaGuard PR 30



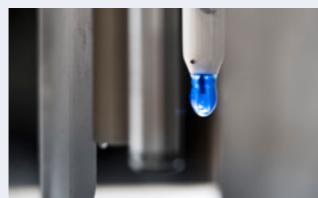
Applications

- 1) – Determination of raw water quality
- 7) – Determination of drinking water before network distribution

With the AquaGuard PR 30, up to five parameters can be measured directly in the water – entirely without the use of expensive pumps and without a loss of water! The portable measuring station consists of an AquaScat S and can be equipped with up to three additional sensors (pH, ORP, conductivity, dissolved oxygen). This means that the AquaGuard PR 30 can be conveniently adjusted to the user's needs. The system is conveniently controlled via a SiCon operating device.



Innovations with real benefits



Multi-parameter measurement without water consumption

- No need to install expensive pumps and pipes
- Immersion variation for measurements without water loss
- Reliable measurement with very little water depth (min. 0.1 m)
- As standard with 10 m or 20 m cable length, other lengths on request

Modular design

- Measurement of the turbidity according to ISO 7027 and temperature can be combined with up to three Hamilton sensors (pH, ORP, electrical conductivity, dissolved oxygen)
- Easy adjustment to customer wishes
- The system can be easily expanded any time

Maintenance-friendly design

- Reliable instruments design for quick tool-free maintenance
- Recalibration simply via solid reference (AquaScat S) and calibration solution (Hamilton probes)

Integrated control unit

- Easy handling, visualisation and parametrisation with SiCon M control unit
- Data can be logged for up to 32 days
- Easy extension to other communication platforms such as Profibus DP, Profinet IO, etc.



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Photometer product variants and sets														
	ORP EC dO2	pH EC dO2	pH ORP dO2	pH ORP EC	EC dO2	ORP dO2	ORP EC	pH dO2	pH EC	pH ORP	dO2	EC	ORP	pH
IO: 0/4 ... 20 mA	122614 122524	122623 122579	122605 122606	122603 122604	122619 122620	122616 122617	122612 122613	122608 122609	122456 122607	122601 122602	122621 122622	122457 122618	122610 122611	122455 122600
Profibus	123211 123212	123205 123206	123199 123200	123193 123194	123187 123188	123181 123182	123175 123176	123169 123170	123163 123164	123157 123158	123157 123158	123145 123146	123139 123140	123133 123134
Profinet	123213 123214	123207 123208	123201 123202	123195 123196	123189 123190	123183 123184	123177 123178	123171 123172	123165 123166	123159 123160	123159 123160	123147 123148	123141 123142	123135 123136
Modbus RTU	123215 123216	123209 123210	123203 123204	123197 123198	123191 123192	123185 123186	123179 123180	123173 123174	123167 123168	123161 123162	123161 123162	123149 123150	123143 123144	123137 123138

10 m cable
20 m cableAbbreviations: ORP = Redox, EC = Conductivity,
dO2 = Dissolved Oxygen - xxxxx coming soon

Main technical details

Measuring range
pH: 0 ... 14ORP: -1500... 1500mV
Conductivity: 1... 300' 000 µS/cm
Diss. oxygen: 0.004 ... 25 ppmSample conditions
0 ... 50 °C, max. 5 bar depending on the equipment

Sample flow

Voltage
24± 10% VDCOutput
Photometer + SiCon MControl unit
see SiCon M (p. 76)Outputs
see SiCon M (p. 76)Inputs
see SiCon M (p. 76)Protection class
IP68Conformities
Full details and
technical data:

Accessories

119602 Cleaning solution from Hamilton

AquaMaster



Applications

- 1 – Determination of raw water quality
- 7 – Determination of drinking water before network distribution

AquaMaster is a full-fledged plug-and-measure system for monitoring water quality. The system consists of either a turbidity measuring device (AquaScat 2 WTM A, AquaScat 2 P) or a SiCon M. Up to four additional sensors can be connected that measure pH, redox, conductivity, dissolved oxygen and temperature. Operation is via the integrated surface of the respective AquaScat 2 or SiCon M.

Innovations with real benefits

Compact and modular complete system

- Free choice and combination of parameters
- Easy sampling, no complex piping required



Modular design

- Operation with turbidity (AS 2 P or AS 2 WTM A) or with another Sigrist measuring device (SiCon M)
- Basic set up with 1 – 4 probes possible



User-friendly maintenance

- Instrument design already includes integrated trays and holders for maintenance
- Automatic recognition of the calibration status of the sensors



Integrated control unit

- One surface for controlling all sensors
- Quick and easy parametrisation of all sensors



- 1**
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- 5**
- 6**
- 7**
- 8**
- 9**
- 10**
- 11**
- 12**

Photometer product variants and sets												
	pH ORP EC dO2	ORP EC dO2	pH EC dO2	pH ORP dO2	pH ORP EC	EC dO2	ORP EC	pH EC	dO2	EC	ORP	pH
IO: 0/4 ... 20 mA	123256	123253	123255	123254	123252	123251	123250	123249	123248	123246	123247	123245
Profibus	123268	123265	123267	123266	123264	123263	123262	123261	123260	123258	123259	123257
Profinet	123280	123277	123279	123278	123276	123275	123274	123273	123272	123270	123271	123269
Modbus RTU	123292	123289	123291	123290	123288	123287	123286	123285	123284	123282	123283	123281

Abbreviations: ORP = Redox, EC = Conductivity
dO2 = dissolved oxygen



119506 119571 119508 119509	119508 119509	119506 119571 119509	119506 119571 119508 119509	119506 119571 119508 119509	119509	+	119508 119509	119506 119571 119509		119509	119508	119506 119571
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Main technical details

Measuring range	0 ... 100 FNU(P), pH: 0 ... 14, ORP: -1500... 1500mV Conductivity: 1... 300' 000 µS/cm, diss. oxygen: 0.004 ... 25 ppm
Sample conditions	0 ... 40 °C, max. 6 bar
Sample volume	0.5 ... 1.0 l/min
Voltage	18 ... 30 VDC
Rating	max. 10 W
Recalibration	AquaScat 2 P: Manual with solid reference Probes: Manual with the respective buffer solutions
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA, 2x Rely 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA, 1x optional for flow meter
Protection class	IP66
Conformities	CE

Full details and
technical data:





	1	2	3	4	5	6	7	8	9	10	11	12
Photometer product variants and sets												
IO: 0/4 ... 20 mA	pH ORP EC dO ₂	ORP EC dO ₂	pH EC dO ₂	pH ORP dO ₂	pH ORP EC	EC dO ₂	ORP EC	pH EC	EC dO ₂	EC	ORP	pH
Profibus	123304	123301	123303	123302	123300	123299	123298	123297	123296	123294	123295	123293
Profinet	123316	123313	123315	123314	123312	123311	123310	123309	123308	123306	123307	123305
Modbus RTU	123328	123325	123327	123326	123324	123323	123322	123321	123320	123318	123319	123317
	123340	123337	123339	123338	123336	123335	123334	123333	123332	123330	123331	123329

Abbreviations: ORP = Redox, EC = Conductivity
dO₂ = dissolved oxygen



119506 119507 119508 119509	119508 119509	119506 119507 119508 119509	119506 119507 119508 119509	119506 119507 119508 119509	119509	+	119508 119509	119506 119507 119509		119509	119508	119506 119507
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Main technical details

Measuring range	0 ... 4000 FNU, pH: 0 ... 14, ORP: -1500... 1500mV Conductivity: 1... 300' 000 µS/ cm diss. oxygen: 0.004 ... 25 ppm
Sample conditions	0 ... 40 °C, unpressurised
Sample flow	min. 1.3 l/min
Voltage	18 ... 30 VDC
Rating	max. 10 W
Adjustment	AquaScat 2 WTM A: Automatic Probes: Manual with the respective buffer solutions
Operating unit	integrated, touch screen 1/4 VGA 3.5"
Outputs	2x 0/4 ... 20 mA, 2x relay 250 VAC, 4A
Inputs	2x 0/4 ... 20 mA, 1x optional for flow meter
Protection class	IP54
Conformities	CE

Full details and
technical data:





IO: 0/4 ... 20 mA

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- 12

Photometer Product variants and sets

pH ORP LF dO2	ORP LF dO2	pH LF dO2	pH ORP dO2	pH ORP LF	LF dO2	ORP LF	pH LF	dO2	LF	ORP	pH
123242 123243 123244	123239 123240 123241	123236 123237 123238	123233 123234 123235	123230 123231 123232	123227 123228 123229	123224 123225 123226	123221 123222 123223		123220	123218	123219 123217

+ SAC 254

Abbreviations: ORP = Redox, EC = Conductivity
+ Nitrate dO2 = dissolved oxygen



119506 119507 119508 119509	119508 119509	119506 119507 119509	119506 119507 119508 119509	119506 119507 119508 119509	119509	119508 119509	119506 119507 119509		119509	119508	119506 119507
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Main technical details

Measuring range	pH: 0 ... 14 ORP: -1500... 1500mV Conductivity: 1... 300' 000 µS/cm Diss. oxygen: 0.004 ... 25 ppm
Sample conditions	0 ... 40 °C, depending on the parametrisation
Sample flow	min. 0.2 l/min, depending on the parametrisation
Voltage	18 ... 30 VDC
Rating	max. 10 W
Recalibration	probes: Manual with the respective buffer solutions
Control unit	see SiCon M (p. 76)
Outputs	see SiCon M (p. 76)
Inputs	see SiCon M (p. 76)
Protection class	IP66
Conformities	CE UK



Full details and
technical data:

AquaDMS



Applications

- 7 – Measurement of disinfection residuals in water

AquaDMS is a compact plug-and-measure system for determining the concentration level of disinfectants. Depending on the equipment, the system measures free chlorine, chlorine dioxide, ozone, or hydrogen peroxide with or without compensation of the pH value. The integrated flow regulator and the automatic probe cleaning reduce maintenance to a minimum.

Innovations with real benefits



Complete measuring system

- Quick and easy installation and commissioning
- Stable water throughput for precise measurements



Integrated control unit with touch screen

- Easy operation



Low maintenance and stable probes

- integrated probe cleaning ASR®, i.e. no manual or chemical cleaning required
- No refilling of electrolytes required

Customised solutions

- Suitable for all standard disinfectants
- Integrated pH-compensation possible



①

②

Photometer product variants and sets

AquaDMS with Cl2/ClO2/O3-sensor with pH-compensation	AquaDMS with Cl2/ClO2/O3-sensor w/o pH-compensation
IO: 0/4 ... 20 mA 960001	960000

IO: 0/4 ... 20 mA

Accessories

960005 Cl2, ClO2, O3 in salt water sensor

960006 H2O2 sensor

Main technical details

Measuring principle	free chlorine: 0 ... 20 mg/L Chlorine dioxide: 0 ... 20 mg/L Ozone: 0 ... 10 mg/L Hydrogen peroxide: 0 ... 30 mg/L
Resolution	0.01 mg/L
Sample conditions	0 ... 50 °C, max. 6 bar @ 20 °C pH of the sample: 6 ... 9
Conductivity of the sample:	50 ... 2000 µS/cm
Sample volume	0.6 ... 6.7 l/min
Voltage	85 ... 230 VAC, 50... 60 Hz
Power	max. 10 watt
Control unit	integrated, touch screen 90x50 mm
Outputs	1-5 0/4 ... 20 mA 1x relay 250 VAC, 4A
Inputs	1x digital (NO/NC)
Protection class	IP65
Conformities	CE UK



Full details and
technical data:



Sicon (M)



The control unit SiCon (M) with the latest technology and colour display facilitates the handling by operators due to its logical menu navigation. The display allows the reading of measuring values, curves with progression, as well as status and alarm notifications. The SiCon (M) offers all options for easy system integration via various interfaces. The integrated SD cards allows almost unlimited data recording for quality assurance.

Main technical details

Outputs	4 x 0/4 ... 20 mA (max. load 500 Ω) 7x digital (max. 30 V)
Inputs	5x digital (max. 30 V)
Display	1/4 VGA with touch screen (320 x 240 pixels with 3.5" diagonal)
Power supply	9 ... 30 VDC
Power input	max. 8 W
Protection degree	IP 66

SiCon

- SiCon 1 photometer with up to 4 measuring channels
SiCon M Up to 8 photometers / 8 measuring channels
SiCon C Tool, ideal for maintenance

Conn Box

119510 Conn-P Box
Passive connection box for the connection of up to 5 sensors.

- Maximum sensor distance of 5 m
- Power supply: 24 V

119920 Conn-A Box
Active connection box for the connection of up to 8 sensors .

- Maximum sensor distance of 800 m
- Power supply: 24 V

120510 Conn-R Box
Connection box for AquaScat S.
- 2 Relays and connection for SiCon C

Service & Support



Sigrist and the global network of Sigrist partners offer comprehensive support over the entire life cycle of our products. We supply high-quality instruments that have a very long service life. The devices are extremely low-maintenance.

Inbetriebnahme

Commissioning the instruments is simple. We and our partners offer to carry out commissioning by experienced personnel to ensure a quick start and correct functioning.

Support

We offer support through our own offices and our international sales partners. Sigrist partners receive regular technical training and can count on support from a specialised support team at our headquarters if required.

Information around the clock

Whatever you are looking for: Our website and our manuals are the easiest and quickest way to find what you are looking for. Our customers have access to all relevant documents in our document cloud via a serial number query.

Service packages

We and our partners take over commissioning and maintenance within the framework of commissioning and maintenance. Through regular inspection and preventive maintenance preventive maintenance, you ensure the uninterrupted operational readiness for your process optimisation.

Maintenance

Preventive maintenance, e.g. the replacement of seals seals, for example, can further extend the service life of the instruments. Measuring instruments should be calibrated at regular intervals for quality assurance. We offer solid references for many instruments, which enable this to be done with very little effort and in just a few minutes.

Warranty

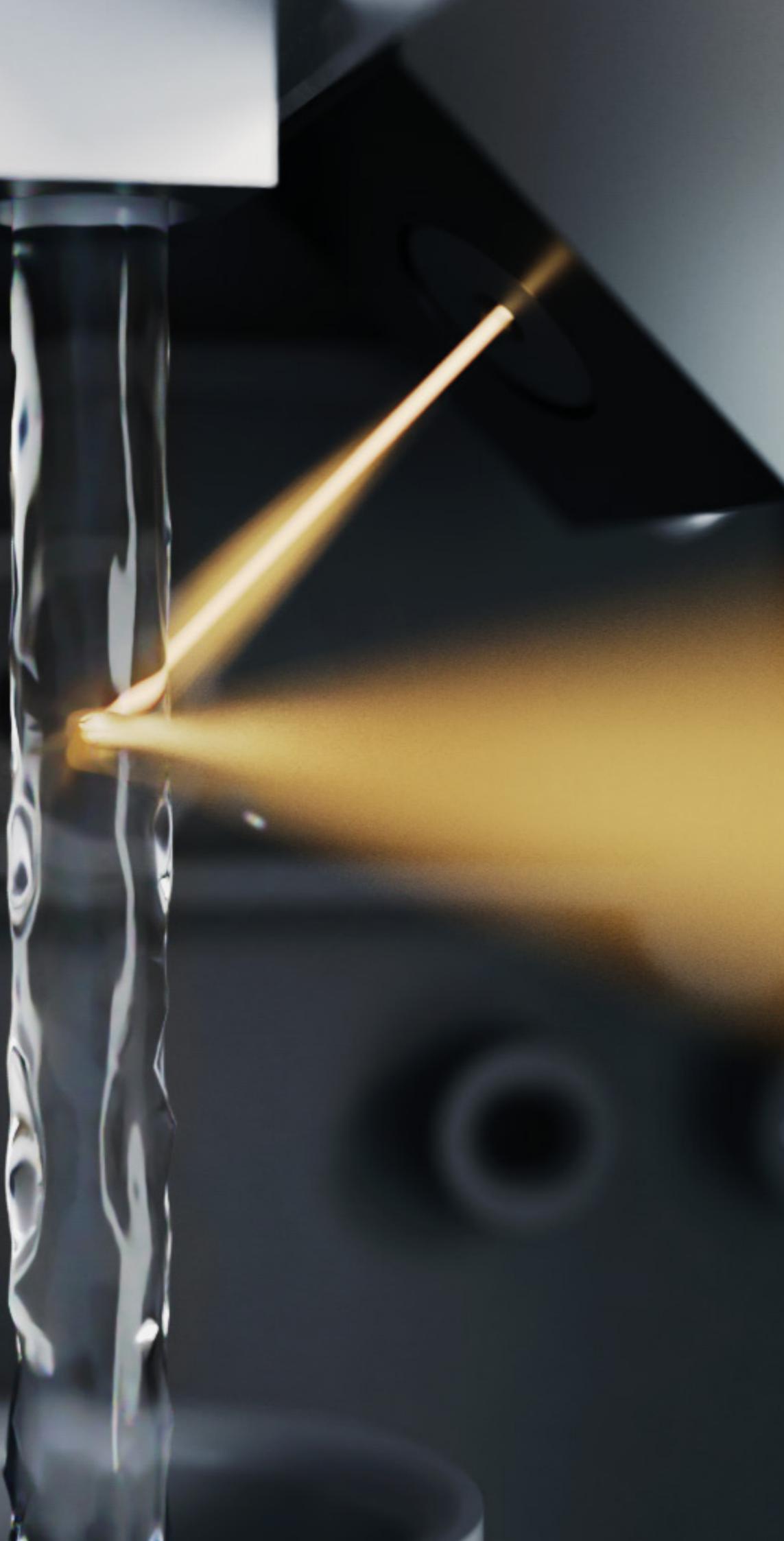
We offer a 2-year warranty on the devices. We also offer warranty extensions.

Repairs and spare parts

We offer a repair service and spare parts supply. Both are available for many years, even after the discontinuation of an after the discontinuation of an appliance version

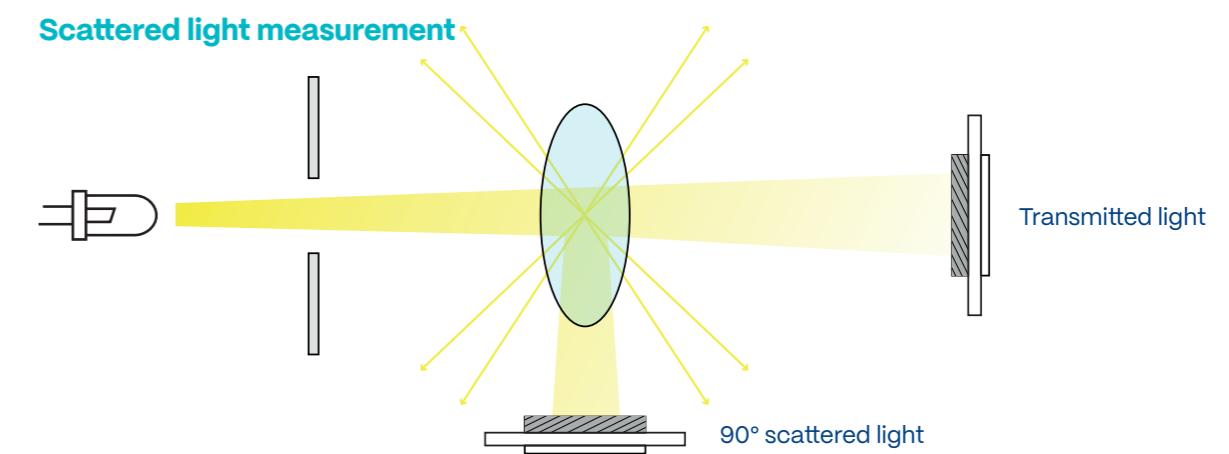
Training/education

We actively expand the knowledge spectrum of employees and partners. We also enable end customers to expand their skills in the optimal use of the devices through affordable training and to benefit from Sigrist's expertise.

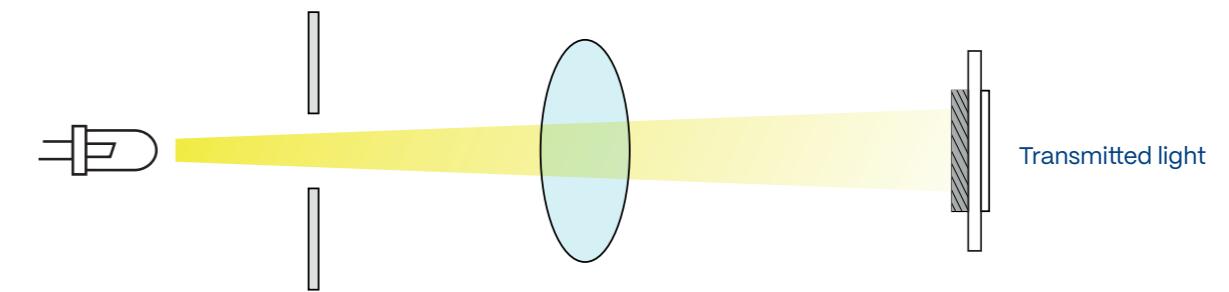


Measurement principles

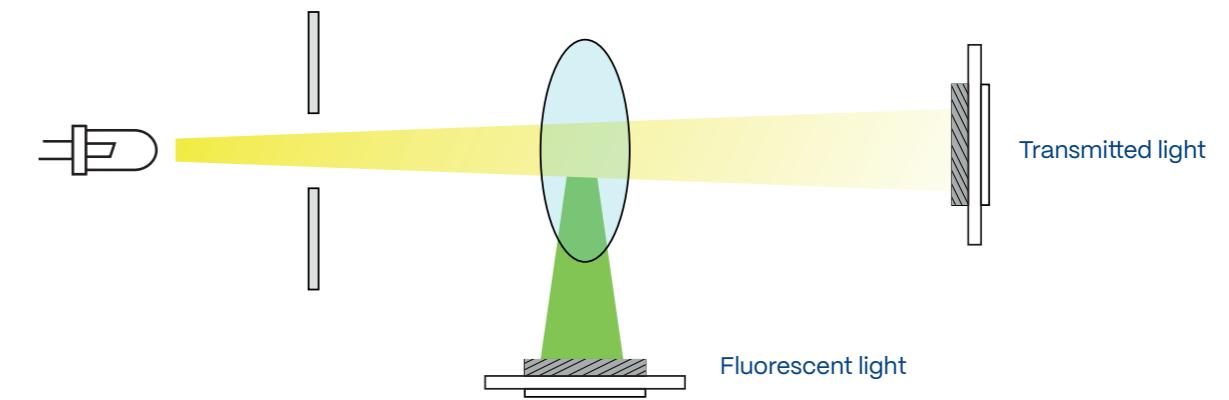
Reliable and safe water quality measurement.



Absorption measuring



Fluorescence measurement





Sigrist USP's and advantages

Background

Our company is an independent Swiss SME and has gained an excellent international image as a manufacturer of high-quality process photometers. Our customers benefit from our many years of expertise and best Swiss quality.

Values

Our corporate culture is based on a symbiosis of material and immaterial values that we foster and develop for the benefit of all stakeholders.

Swiss Innovation

Our products offer solutions to real needs of society, of humans and the environment. They fulfil the highest quality, reliability and uniqueness standards, offering our customers great value.

Ethics and Responsibility

Acting economically responsibly is at the centre of all we do. To us, fairness, reliability and sustainability are as important factors for success as economic aspects.

Legal information

Sigrist near you

Contents

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Amendments

Amendments can be made at any time.

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