

**Accessories**

<b>Article</b>	<b>Article no.</b>
USB host socket	255263
Ethernet RJ-45 plug for self-assembly	255266
Panel mounting set	255267
Cable gland set Versatronic	255268
Resistor box for Ci basic adjustment/calibration adapter	255269
USB cable with plug USB/A - USB/B, length: 3 m	255273
<b>Software</b>	
Setup software Versatronic (CD)	255264
Software PCA 3000	255270
Software PCC	255271
<b>Function extension</b>	
Unlock code for registration function	255265

### Inductive conductivity measurement probes with integrated temperature sensor

Probe version:	round spherical cap, streamline-shaped with 11 mm meter flume diameter
Temperature sensor:	PT1000, two-wire connection
Probe material:	PP
Temperature sensor material:	1.4571
Pressure resistance:	PN = 10 bar at 20 °C
Temperature resistance:	max. 60 °C
Cell constant:	6.25 1/cm
Length connection cable:	10 m
Type of lead:	5-pin special measurement lead, one core shielded plus overall shield
Measuring lead connection:	prefabricated for terminal connection
Recommended measuring range:	0.5 to 1000 mS/cm



#### Article

#### Article no.

**Ci measurement probe PP, blue with PVC union nut 11/2"**

10240818



**Ci measurement probe PP, blue with stainless steel connection adapter**

10240939

for installation in stainless steel fittings 287505 or 287507



**Ci measurement probe PP, blue in PP immersion tube**

10240819

Immersion tube length: 1 m


**Article**
**Article no.**
**PP fitting, DN40 for measuring probe 1024xxxx (blue)**

10240896

Temperature resistance: up to 80 °C  
 Connection: welding sleeves d50


**PVC fitting, DN40 for measuring probe 1024xxxx (blue)**

10240839

Temperature resistance: up to 50 °C  
 Connection: adhesive sleeves d50

**PP fitting for installation in pipelines with large cross-section**

on request

Screw-in thread G 2"


**Calibration adaptor for conductivity basic adjustment**

255269

with simulation resistances for five measuring ranges


**Extension set for Ci measurement 1024xxxx**

Consisting of:

1 terminal box with 7 terminal blocks

10240820

1 control cable 5 x 0.22 mm<sup>2</sup>, 2 cores shielded,  
 metre goods

10240867

**Attention!**

The total length of the measuring line should not exceed  
 30 m!

### Inductive conductivity measurement probes with integrated temperature sensor

Probe version:	Oval spherical cap, streamline-shaped with 8 mm meter flume diameter
Temperature sensor version:	PT100, three-wire connection
Probe material:	PVDF
Temperature sensor material:	1.4571
Pressure resistance:	PN = 10 bar at 20 °C
Temperature resistance:	max. 120 °C
Cell constant:	6.9 1/cm
Length connection cable:	10 m
Type of lead:	5-pin special measurement lead, two cores shielded
Measuring lead connection:	prefabricated for terminal connection
Recommended measuring range:	0.5 to 1000 mS/cm

#### Article

#### Article no.



#### Ci measuring probe PVDF, white for PP/PVC fitting

255202

Measuring probe with PVDF adapter for fittings 287506 and 287514



#### Ci measuring probe PVDF, white for stainless steel fitting

255203

Measuring probe with PVDF adapter for stainless steel fittings 287505 and 287507



#### Ci measuring probe PVDF, white with bulkhead screw connection

255204

for tank wall installation  
21 mm bore-diameter


**Article**
**Article no.**
**Ci measurement probe PVDF, white in PP immersion tube**

255205

Immersion depth as desired adjustable up to 1000 mm

Immersion tube Ø: 32 mm


**Ci measurement probe PVDF, white in stainless steel immersion tube**

255206

with clamping flange and weld-on fitting with union nut

Immersion depth as desired adjustable up to 1000 mm


**Calibration adaptor for conductivity basic adjustment**  
with simulation resistances for five measuring ranges

255269

Article	Material No.
	<b>Tank welding fitting, stainless steel for Ci measurement probe</b> 287505
	<b>PP fitting, G1/2"i for Ci measurement probe 2552xx (white)</b> Temperature resistance: up to 80 °C Connections: G 1/2"i 287506
	<b>PVC fitting, DN40 for Ci measurement probe 2552xx (white)</b> Temperature resistance: up to 50 °C Connections: d50 adhesive muffs 287514
	<b>Stainless steel fitting, DN50 for Ci measurement probe</b> Connection: welding ends DN 50 287507

### Conductivity measurement probes with integrated temperature sensor

Probe version:	3-strip version (the two outer electrodes are electrically connected)
Temperature sensor version:	PT100, three-wire connection
Probe material:	PVC / 1.4571
Temperature sensor material:	1.4571
Pressure resistance:	10 bar (at 20 °C)
Temperature resistance:	50 °C
Cell constant:	K = 0.1
Cable length:	10 m
Type of lead:	5-pin special measurement lead, two cores shielded
Measuring lead connection:	prefabricated for terminal connection
Recommended measuring range:	0.5 to 1000 mS/cm



#### Article

#### Article no.

#### Conductive conductivity measurement probe

10240397

installed in PVC-flow fitting seat  
 Temperature: max. 55 °C  
 Connections: d 32 adhesive muffs



#### Conductive conductivity measurement probe

10240398

mounted in PVC immersion fitting  
 Temperature: max. 50 °C  
 Tube diameter: ext. 32 mm  
 Length: 1000 mm



#### Conductive conductivity measurement probe

10240399

with PVC bulkhead screw connection for tank wall installation  
 Connection thread: ext. 3/4"  
 Length: 16 mm  
 Flat seal: EPDM  
 Cable length: 10 m

#### Conductive conductivity measurement probe

on request

Hot water version up to 120 °C, stainless steel/PVDF  
 Connection thread: ext. 3/4"  
 Flat seal: EPDM  
 Cable length: 10 m

**Article**
**Article no.**

**Calibration box for conductivity measurement (conductive)**

255196

with simulation resistances for the measurement ranges  
0 - 2, 0 - 20, 0 - 200  $\mu\text{S}/\text{cm}$


**Extension set for Cr measurement probes**

consisting of:

1 terminal box with 7 terminal blocks

10240820

1 control cable 5 x 0.22  $\text{mm}^2$ , 2 cores shielded,  
metre goods

418437037

**Attention!**

The total length of the measuring line should not exceed  
30 m!



**Article**
**Article no.**
**pH-Combination Electrode**

with screw-in thread PG 13.5 and plug-in screw connection, glass shaft = 120 mm, Ø = 12 mm, collector Ag/AgCl, sintered.

**pH-Combination Electrode**

with dirt-repelling PTFE-circular diaphragm

pH range: 1 - 12

Temperature range: -5 °C - +80 °C

Pressure: up to 6 bar

Minimum conductivity: 100 µS/cm

418853008

**pH-Combination Electrode with integrated temperature sensor Pt 100**

with dirt-repelling PTFE-circular diaphragm

pH range: 1 - 12

Temperature range: -5 °C - +80 °C

Pressure: up to 10 bar

Minimum conductivity: 100 µS/cm

**Note:** 5-wired connection cable is required

on request

**pH-Combination Electrode**

with 3 ceramic diaphragms

pH range: 0 - 12

Temperature range: -5 °C - +80 °C

Pressure: up to 3 bar

Minimum conductivity: 100 µS/cm

418853011

**pH-Combination Electrode**

with ceramic diaphragm

pH range: 1 - 14

Temperature range: +10 °C - +130 °C

Pressure: up to 3 bar

Minimum conductivity: 100 µS/cm

418853016

**ORP/Redox Combination Electrode**

with screw-in thread PG 13.5 and plug-in screw connection, glass shaft Ø = 12 mm, L = 120 mm, platinum electrode, Ag/AgCl sintered collector, in KCl gel, ceramic diaphragm  
Temperature up to approx. 80 °C  
For universal application up to 10 bar

418853010

**Temperature sensor Pt 100**

with PG 13.5 screw-in thread and screw connection  
glass shaft Ø = 12 mm, L = 120 mm  
Temperature up to 100 °C

418853004



**Article**
**Article no.**

**Impedance converter**

418853005

We recommend the installation of the impedance converter in order to prevent negative influences on the measurement signal of pH-measurement due to electrical fields of near live wires, dirt or moistures.

The impedance converter is also used to short-out higher distances (more than 10 m) between measurement chain and measurement unit.

The impedance converter is screwed onto the measurement chain directly.

Delivery includes built-in battery (live approx. 5 years).

Internal resistance:  $R_i \leq 5 \Omega$

Permitted surrounding temp.: -10 - +50 °C

Permitted storing temp.: -10 - +60 °C

Housing: PVC

Length: 108 mm

Weight: 0.09 kg


**Connection cable with rotating matching plug  
for pH and Redox measurement**

Length 2 m

418853101

Length 5 m

418853102

Length 10 m

418853103

Length 20 m

418853104


**Connection cable (doubly shielded) with rotating  
matching plug for pH measurement**

Length 5 m

418853106

Length 10 m

418853107

Length 15 m

418853108

Length 20 m

418853109


**Connection cable (3-conductor connection) with  
rotating matching plug for temperature measurement**

255197

Length 10 m

**Article**
**Article no.**

**Buffer solutions**

pH 4.01	20 ml	418853125
pH 7.00	20 ml	418853126
pH 9.21	20 ml	418853127
pH 4.01	1 l	418853121
pH 7.00	1 l	418853122
pH 9.21	1 l	418853123

Redox-buffer solution 468 mV	250 ml	418853124
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**Detergent for combination pH and ORP/Redox electrodes**

Pepsin-hydrochloric acid solution 250 ml

418853128


**Angle seat flow fitting**

for combination pH or ORP/Redox electrodes with 120 mm length

418853202

Material:	transparent PVC
Operational temperature:	max. 50 °C
Pressure resistance:	10 bar (at 20 °C) 1 bar (at 50 °C)
Nominal diameter:	DN 25, 1" (d = 32)
Connections:	d32 adhesive muffs


**Flow fitting**

for 3 measuring probes

418853213

Material:	PP
Angle support:	stainless steel
Operational temperature:	max. 80 °C
Pressure resistance:	10 bar (at 20 °C)
Connection thread:	G1/2
Hose connection:	6/12 mm (int. Ø/ext. Ø)

**Article**
**Article no.**
**Flow fitting 2 x PG 13.5**

418853207



Material: ABS  
 Operating pressure: 3 bar  
 Max. operating temperature: 50 °C

2 pressure-resistant sealing plugs for Pg 13.5 probes,  
 2 hose connections 1/4" for 6/8 mm hose,  
 1 test portion cock 1/4", 3 Viton flat seals

**Immersion fitting including fixing flange**

287430

for combination pH or ORP/Redox electrodes

Immersion depth can be shortened by taking out pipe section.



Material: PP  
 Operational temperature: max 80 °C  
 Pipe diameter: 32 mm  
 Usable immersion depth max.: 980 mm\*  
 Usable shortened immersion depth: 525 mm  
 Fixing flange Ø: 70 mm

\* optional elongation (accessories on request)

**Keep-wet-tray**

287523

for pH-immersion fitting

The electrode is automatically kept damp when the tank fluid level drops



Material: PP  
 Operational temperature: max. 60 °C  
 Suitable for pipe diameter: 32 mm

**Article**
**Article no.**

**Chlorine measurement cell CL4.2**

incl. tweezers, emery S1 and electrolyte ECL1  
with 5-pin screw and plug connection

Material:	PVC
Ø:	25 mm
L:	175 mm
Power supply:	12 – 30 V DC
Resolution:	100 mV per mg/l chlorine
Output signal:	4 – 20 mA
Operational temperature:	0 - 45 °C
pH range:	6 – 8 pH
Pressure range:	up to 1 bar
Flow range:	30 – 100 l/h

**Chlorine measurement cell CL4.2MA-20-M12**

10240235

Measuring range: 0 – 20 mg/l

**Chlorine measurement cell CL4.2MA-100-M12**

10240236

Measuring range: 0 – 100 mg/l


**Chlorine dioxide measurement cell CD4.2**

incl. tweezers, emery S1 and electrolyte ECD7/W  
with 5-pin screw and plug connection

Material:	PVC
Ø:	25 mm
L:	175 mm
Power supply:	12 - 30 V DC
Resolution:	1000 mV per mg/l chlorine dioxide
Output signal:	4 – 20 mA
Operational temperature:	0 – 45 °C
pH range:	1 – 12 pH
Pressure range:	up to 1 bar
Flow range:	30 – 100 l/h

**Chlorine dioxide measurement cell CD4.2MA-2-M12**

10240237

Measuring range: 0 – 2 mg/l

**Chlorine dioxide measurement cell CD4.2MA-5-M12**

10240238

Measuring range: 0 – 5 mg/l

**Article**
**Article no.**

**PAA measurement cell P10**

incl. tweezers, emery S2 and electrolyte EPS9H/W with 5-pin screw and plug connection

Material: PVC  
 Ø: 25 mm  
 L: 175 mm  
 Power supply: 12 - 30 V DC  
 Output signal: 4 – 20 mA  
 Operational temperature: 0 – 45 °C  
 pH range: 0 – 7 pH  
 Pressure range: up to 1 bar  
 Flow range: 30 – 100 l/h

**PAA measurement cell P10MA-2000-M12**

10240069

Measuring range: 0 – 2000 mg/l  
 Resolution: 1 mV per mg/l PAA

**PAA measurement cell P10MA-5000-M12**

10240070

Measuring range: 0 – 5000 mg/l  
 Resolution: 0.4 mV per mg/l PAA


**PAA measurement cell P9.2**

incl. tweezers, emery S2 and electrolyte EPS9L/W with 5-pin screw and plug connection

Material: Peek  
 Ø: 25 mm  
 L: 175 mm  
 Power supply: 12 - 30 V DC  
 Output signal: 4 – 20 mA  
 Operational temperature: 0 – 60 °C  
 pH range: 1 – 6 pH  
 Pressure range: up to 1 bar  
 Flow range: 30 – 100 l/h

**PAA measurement cell P9.2MA-2000-M12**

10240072

Measuring range: 0 – 2000 mg/l  
 Resolution: 1 mV per mg/l PAA

**PAA measurement cell P9.2MA-5000-M12**

10240073

Measuring range: 0 – 5000 mg/l  
 Resolution: 0.4 mV per mg/l PAA


**Connection cable for CL-, CD-, PAA measurement cell**

418439007

5-pin, with screw plug M12 on one side  
 Length: 5 m

### Spare parts for chlorine and chlorine dioxide measuring cells:



#### Article

#### Article no.

#### Diaphragm cap type M20

418853013

for chlorine measurement cell **CL4.2** and chlorine dioxide measurement cell **CD4.2**  
liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning



#### Electrolyte type ECL1

418853027

for chlorine measurement cell **CL4.2**, 100 ml

#### Electrolyte type ECD7/W

418853022

for chlorine dioxide measurement cell **CD4.2**, 100 ml

### Spare parts for PAA measuring cells:



#### Diaphragm cap type M10.1N

10240071

for PAA measurement cell **P10**  
liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning

#### Diaphragm cap type M9N

418853046

for PAA measurement cell **P9.2**  
liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning



#### Electrolyte type EPS9H/W

418853043

for PAA measurement cell **P10**, 100 ml

#### Electrolyte type EPS9L/W

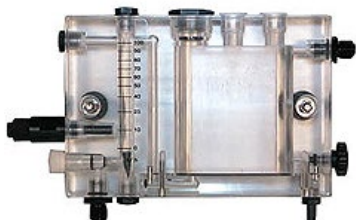
10240074

for PAA measurement cell **P9.2**, 100 ml



### Article

### Article no.



### Acrylic flow fitting

283120

with integrated flow control, test portion cock, and adjusting cock for flow.

Flow fitting can be opened for cleaning.

Dimensions (h \* w \* d) : 200 x 300 x 50 mm

for the connection of one:

- pH probe with PG 13.5
- Redox probe with PG 13.5
- Chlorine dioxide or PAA or Chlorine measurement cell with 1"
- Connector cable flow control, length: 1m

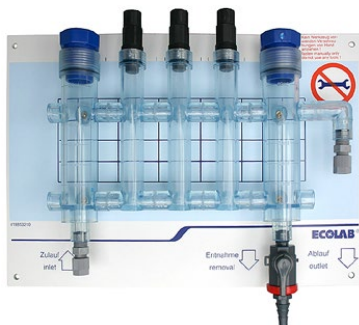


### Flow fitting 1 x G 1", 2 x PG 13.5

418853208

Material: ABS  
Operating pressure: 3 bar  
Max. operating temperature: 50 °C

2 pressure-resistant sealing plugs for Pg 13.5 probes,  
1 pressure-resistant sealing plug for 1",  
installation of a preliminary filter is possible,  
1 safety assembly set for chlorine measurement cell,  
2 hose connections 1/4" for 6/8 mm hose,  
1 test portion cock 1/4", 3 Viton flat seals



### Flow fitting 2 x G 1", 3 x PG 13.5

on request

Material: ABS  
Operating pressure: 3 bar  
Max. operating temperature: 50 °C

3 pressure-resistant sealing plugs for Pg 13.5 probes,  
2 pressure-resistant sealing plugs for 1",  
installation of a preliminary filter is possible,  
2 safety assembly sets for chlorine measurement cell,  
2 hose connections 1/4" for 6/8 mm hose,  
1 test portion cock 1/4", 3 Viton flat seals



**Article**
**Article no.**

**Electronic flow control**

418853211

Electronic scanning with „open collector“ output for processing of the signal.  
Probe incl. 2 m connection cable with 4-pin plug, optical flow indication

Power supply: 6 - 24 V DC


**Preliminary filter 1"**

418853212

For screwing into the 1" flow fitting

housing material: ABS  
filter material: PE  
mesh size: 120 filaments per inch


**P3 photometer for Cl and ClO<sub>2</sub>**

415711160

in plastic case complete with 1 set of reagent chemicals