

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 1 1/2"
for installation in plastic fittings 10240896 or 10240839

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.



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

255269



Extension set for Ci measurement 1024xxxx

Consisting of:

1 terminal box with 7 terminal blocks

10240820

1 control cable 5 x 0.22 mm², 2 cores shielded,
metre goods

10240867

Attention!

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

Article	Article no.
	<p>PP fitting, DN40 for Ci measuring probe 10240818 10240896</p> <p>Temperature resistance: up to 80 °C Connection: welding sleeves d50</p>
	<p>PVC fitting, DN40 for Ci measuring probe 10240818 10240839</p> <p>Temperature resistance: up to 50 °C Connection: adhesive sleeves d50</p>
	<p>PP fitting for Ci measuring probe 10240818 on request</p> <p>for installation in pipelines with large cross-section</p> <p>Screw-in thread: G 2" Immersion depth: 162 mm</p>
	<p>Tank welding fitting, stainless steel for Ci measurement probe 10240939 287505</p>
	<p>Stainless steel fitting, DN50 for Ci measurement probe 10240939 287507</p> <p>Connection: welding ends DN 50</p>

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 mm², 2 cores shielded,
 metre goods

418437037

Attention!

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



Article	Article no.
<p>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.</p>	
<p>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</p>	418853008
<p>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</p>	on request
<p>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</p>	418853011
<p>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</p>	418853016
<p>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</p>	418853010
<p>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</p>	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
------------------------------	--------	-----------



Detergent for combination pH and ORP/Redox electrodes 418853128

Pepsin-hydrochloric acid solution	250 ml
-----------------------------------	--------



Angle seat flow fitting 418853202
for combination pH or ORP/Redox electrodes with 120 mm length

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 418853213
for 3 measuring probes

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.

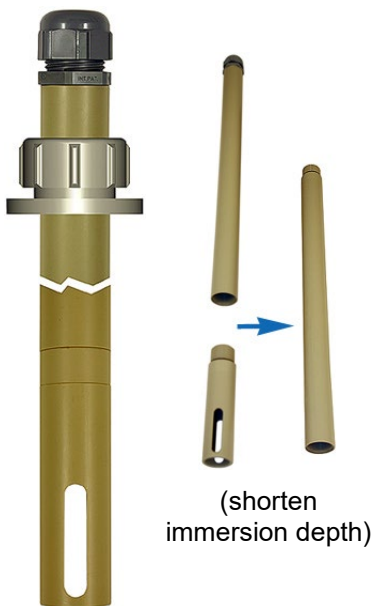


Flow fitting 2 x PG 13.5

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)

(shorten immersion depth)



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: 15 – 30 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: 15 – 30 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 P10.1

with 5-pin screw and plug connection M12

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: 1 – 8 pH
 Pressure range: up to 1 bar
 Flow range: 15 – 30 l/h

Scope of delivery: Measurement cell, tweezers,
 emery S2, electrolyte EPS9H/W

PAA measurement cell P10.1MA-2000-M12

10240069

Measuring range: 5 – 2000 mg/l
 Resolution: 1 mg/l

PAA measurement cell P10.1MA-5000-M12

10240070

Measuring range: 50 – 5000 mg/l
 Resolution: 1 mg/l



PAA measurement cell P9.3

with 5-pin screw and plug connection M12

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 – 8 pH
 Pressure range: up to 1 bar
 Flow range: 15 – 30 l/h

PAA measurement cell P9.3MA-2000-M12

10240072

Measuring range: 5 – 2000 mg/l
 Resolution: 1 mg/l
 Scope of delivery: Measurement cell, tweezers,
 emery S2, electrolyte EPS9H/W

PAA measurement cell TARAtec P9.3MA-2%-M12

10240073

Measuring range: 0.005 – 2% (20000 mg/l)
 Resolution: 0.001% (10 mg/l)
 Scope of delivery: Measurement cell, tweezers,
 emery S2, electrolyte EPS9L/W





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:

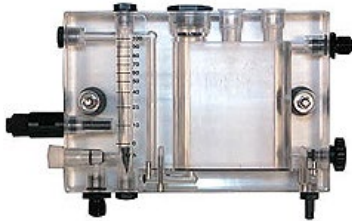
	Article	Article no.
	<p>Diaphragm cap type M20</p> <p>for chlorine measurement cell CL4.2 and chlorine dioxide measurement cell CD4.2 liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning</p>	418853013
	<p>Electrolyte type ECL1</p> <p>for chlorine measurement cell CL4.2, 100 ml</p>	418853027
	<p>Electrolyte type ECD7/W</p> <p>for chlorine dioxide measurement cell CD4.2, 100 ml</p>	418853022

Spare parts for PAA measuring cells:

	<p>Diaphragm cap type M10.1N</p> <p>for PAA measurement cell P10.1 liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning</p>	10240071
	<p>Diaphragm cap type M9.3N</p> <p>for PAA measurement cell P9.3 liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning</p>	10241841
	<p>Electrolyte type EPS9H/W</p> <p>for PAA measurement cell P9.3MA-2000 and P10.1, 100 ml</p>	418853043
	<p>Electrolyte type EPS9L/W</p> <p>for PAA measurement cell P9.3MA-2%, 100 ml</p>	10240074

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

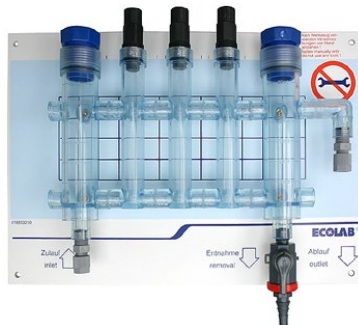


Flow fitting 1 x G 1", 2 x PG 13.5

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 ClO₂

415711160

in plastic case complete with 1 set of reagent chemicals