

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



Tank welding fitting, stainless steel for Ci measurement probe

287505



Stainless steel fitting, DN50 for Ci measurement probe

287507

Connection: welding ends DN 50

Article
Article no.

Ci measurement probe PP, blue in PP immersion tube

10240819

Immersion tube length: 1 m


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"

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!

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.
	Tank welding fitting, stainless steel for Ci measurement probe 287505
	PP fitting, G1/2"i for Ci measurement probe 2552xx (white) Temperature resistance: up to 80 °C Connections: G 1/2"i 287506
	PVC fitting, DN40 for Ci measurement probe 2552xx (white) Temperature resistance: up to 50 °C Connections: d50 adhesive muffs 287514
	Stainless steel fitting, DN50 for Ci measurement probe 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 mm², 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 418853128

Pepsin-hydrochloric acid solution 250 ml


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:	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.

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 **P10.1**
liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning

Diaphragm cap type M9.3N

10241841

for PAA measurement cell **P9.3**
liquid stored in transport box, incl. tweezers, o-ring and special emery for sensor head cleaning



Electrolyte type EPS9H/W

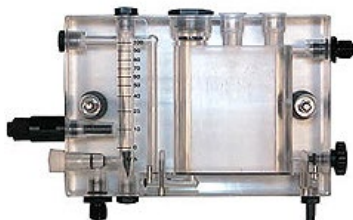
418853043

for PAA measurement cell **P9.3MA-2000** and **P10.1**, 100 ml

Electrolyte type EPS9L/W

10240074

for PAA measurement cell **P9.3MA-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:

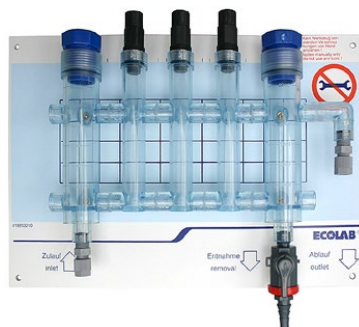
- pH probe with PG 13.5
- Redox probe with PG 13.5
- Chlorine dioxide or PAA or Chlorine measurement cell with 1"
- Connector cable flow control, length: 1m


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 ClO₂

415711160

in plastic case complete with 1 set of reagent chemicals