

# SCL

## Closed amperometric cells

## Data Sheet

- Chlorine probes for chlorine and chlorine bioxide measurement.
- Stables and reliables measurement even for low chlorine concentration.
- Low pH dependency for chlorine bioxide measurement

They are equipped with a special membrane system, except for SCL17 and SCL 18.

SCL models work in chlorine water system.

The probe has to be installed into a probe holder and connected to a measuring and control instrument.



R4-07-22

Dissolved chlorine into water may have many features:

FREE CHLORINE (ACTIVE): HOCl (hypochlorous acid).

COMBINED CHLORINE: Monochloramine, dichloramine, trichloramine (DPD4-DPD1 analysis system)

FREE ORGANIC CHLORINE: Free chlorine with isocyanuric/isocyanurate (DPD1 analysis system)

FREE CHLORINE INORGANIC: Free chlorine Use fo SCL3N amperometric cells is recommended (DPD1 analysis system)

TOTAL CHLORINE: Free chlorine and combined chlorine. Use of SCL8 amperometric cells is recommended (DPD4 analysis system)

### MODELS

- SCL3S for free chlorine (organic and inorganic)
- SCL3N for free chlorine (inorganic)
- SCL8 for total chlorine
- SCL2 for chlorine dioxide
- SCL9 for hydrogen peroxyde
- SCL10 for ozone
- SCL11 for peracetic acid
- SBR for bromine
- SCT for Chlorite
- SCL17 for chlorine dioxide - with automatic cleaning system
- SCL18 for free chlorine (inorganic) - with automatic cleaning system

# SCL

## Data Sheet

### Closed amperometric cells

SCL3S

	SCL3S/20
<b>Parameter</b>	FREE CHLORINE (ORGANIC)
<b>Measuring range</b>	0,1-20 mg/l (0,1-20 ppm)
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) - 10 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric potentiostatic 2-electrode system
<b>Ph working range</b>	5,5-9,5 pH
<b>Sample water conductivity</b>	30-10.000 $\mu\text{S/cm}$
<b>Run-in-time</b>	First commissioning: 6 h approx. Recommissioning: 3 h approx.
<b>Response time</b>	$T_{90}$ : 2 min. approx.
<b>Zero point adjustment</b>	see chapter "Probe alignment"
<b>Slope calibration</b>	see chapter "Probe alignment" DPD1 method
<b>Alcalinity</b>	min 100 ppm
<b>Working temperature</b>	5-45 °C with temperature compensation
<b>Max pressure</b>	1 bar - 10 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL3
<b>Membrane mod.</b>	MESCL3
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Membrane cap: PPE Shaft: PVC
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: 1 year, depending on water quality electrolyte: in original bottle, protect from sunlight (5-25°C). Expiration date on the label.
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCL3N

	SCL3N
<b>Parameter</b>	FREE CHLORINE (INORGANIC) FOR FRESH WATER
<b>Measuring range</b>	SCL3N/0.5: 0-0.5 mg/l (0-0.5 ppm) resolution: $\pm 0.001$ SCL3N/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL3N/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.01$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) (10 mA)
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>Ph working range</b>	5-9.5 pH, reduced dependance on pH value. When the pH value increases, the measured signal decreases at about 10% per pH unit.
<b>Water sample conductivity</b>	30 $\mu\text{S/cm}$ - 10000 $\mu\text{S/cm}$
<b>Run-in-time</b>	first start up 1-24 h (6 hours usually) depending on water quality
<b>Response time</b>	$T_{90}$ : 2 min. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment" DPD1 method
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	0.5 bar (7 PSI) - 5 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL3N
<b>Membrane mod.</b>	MESCL3
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PP/PMMA; Membrane cap: PPE
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCL8

	SCL8
<b>Parameter</b>	TOTAL CHLORINE
<b>Measuring range</b>	SCL8/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL8/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.01$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) (10 mA)
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>Ph working range</b>	6.5-9.5 pH, reduced dependance on pH value. When the pH value increases, the measured signal decreases at about 10% per pH unit.
<b>Water sample conductivity</b>	0.03 - 40 mS/cm
<b>Run-in-time</b>	first start up 24 h approx.
<b>Response time</b>	$T_{90}$ : 60 s approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment" DPD4 method
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH2O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL8
<b>Membrane mod.</b>	MESCL8/2 or MESCL8/20
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PVC; membrane cap: PPE.
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

#### SCL2

<b>Parameter</b>	CHLORINE DIOXIDE
<b>Measuring range</b>	SCL2/0.5: 0-0.5 mg/l (0-0.5 ppm) resolution: $\pm 0.001$ SCL2/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL2/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.01$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) (10 mA)
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, 2-electrode system
<b>Ph working range</b>	4-11 pH
<b>Run-in-time</b>	first start up 1-24 h approx. (usually 6 h)
<b>Response time</b>	T <sub>90</sub> : 15 sec.. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH2O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL2
<b>Membrane mod.</b>	MESCL2
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PVC; membrane cap: PPE.
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Closed amperometric cells

## Data Sheet

SCL9

<b>Parameter</b>	HYDROGEN PEROXIDE
<b>Measuring range</b>	SCL9/200: 0-200 mg/l (0-200 ppm) ; SCL9/50: 0-50 mg/l (0-50 ppm) res. $\pm 0.1$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) - 25 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric electrode system
<b>Ph working range</b>	1-11 pH
<b>Water sample conductivity</b>	0.05 - 5.00 mS/cm
<b>Run-in-time</b>	first start up 2-6 h approx.
<b>Response time</b>	T <sub>90</sub> : 10 min. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL9
<b>Membrane mod.</b>	MESCL9
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PVC-C; membrane cap: PVDF, PVC
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCL10

<b>Parameter</b>	OZONE
<b>Measuring range</b>	SCL10/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL10/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.01$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) 10 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>Ph working range</b>	2-11 pH
<b>Run-in-time</b>	first start up 1 h approx.
<b>Response time</b>	T <sub>90</sub> : 50 sec. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELSCL10
<b>Membrane mod.</b>	MSCL10
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	PVC-U, stainless steel 1.4571
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCL11

<b>Parameter</b>	PERACETIC ACID
<b>Measuring range</b>	SCL11/200: 10-200mg/l (10-200 ppm) resolution: $\pm 0.1$ SCL11/2000: 10-2000 mg/l (10-2000 ppm) resolution: $\pm 1$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) 10 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>Ph working range</b>	1-9 pH
<b>Run-in-time</b>	first start up 1 h approx.
<b>Response time</b>	$T_{90}$ : 3 min. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL11
<b>Membrane mod.</b>	MESCL11
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	PVC-U, stainless steel 1.4571
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm



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## Data Sheet

### Closed amperometric cells

SBR

<b>Parameter</b>	BROMINE
<b>Measuring range</b>	SBR/20: 0-20mg/l (0-20 ppm) resolution: $\pm 0.01$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) 10 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>Ph working range</b>	6.5-9.5 pH
<b>Water sample conductivity</b>	50 $\mu\text{S/cm}$ - 10000 $\mu\text{S/cm}$
<b>Run-in-time</b>	first start up 1-24 h approx. (usually 6 h)
<b>Response time</b>	$T_{90}$ : 2 min. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	0.5 bar (7 PSI) - 5 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESBR
<b>Membrane mod.</b>	MESBR
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PVC; membrane cap: PPE
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCT

<b>Parameter</b>	CHLORITE
<b>Measuring range</b>	SCT: 0-2mg/l (0-2 ppm) resolution: $\pm 0.001$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) 10 mA
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	membrane covered, amperometric 2-electrode system
<b>pH range</b>	5.5-9.5 pH
<b>Conductivity range</b>	0.05-5 mS/cm
<b>Run-in-time</b>	first start up 1-24 h approx. (usually 6 h)
<b>Response time</b>	T <sub>90</sub> : 60 s approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment"
<b>Alcalinity</b>	min 100 ppm
<b>Working temperature</b>	1-40° C (34-104°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	1 bar (14.5 PSI) - 10 mwc [mH2O] no sbalzi di pressione, no depressione
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCT
<b>Membrane mod.</b>	MESCT
<b>Working flow</b>	30 l/h
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	Shaft: PVC; membrane cap: PPE
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) membrane cap: used membrane cap can not be stored electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change of the membrane cap: every 3-6 months change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.
<b>Dimension</b>	Diam.: 25 mm Length: 241 mm

# SCL

## Data Sheet

### Closed amperometric cells

SCL17

	SCL17
<b>Parameter</b>	CHLORINE DIOXIDE
<b>Measuring range</b>	SCL17/0.5: 0-0.5 mg/l (0-0.5 ppm) resolution: $\pm 0.001$ SCL17/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL17/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.001$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) (10 mA)
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	amperometric 3-electrode system
<b>Ph working range</b>	5-9 pH (ref. HOCl dissociation curve)
<b>Conductivity water sample</b>	50 $\mu\text{S}/\text{cm}$ - 10000 $\mu\text{S}/\text{cm}$
<b>Run-in-time</b>	first start up 1-24 h (6 hours usually) depending on water quality
<b>Response time</b>	$T_{90}$ : 60 sec. approx.
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment" - DPD1
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	5-70° C (41-158°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	8 bar (116 PSI) - 80 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL17
<b>Working flow</b>	40 l/h
<b>Cleaning system</b>	selfcleaning with 3-balls systems
<b>Suitable for probe holder mod.</b>	PEF1, PEF1/E, PEF5, PEF23
<b>Material</b>	shaft: PEEK; clamp ring:PPE; electrode: gold; oring: EPDM
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.

# SCL

## Data Sheet

### Closed amperometric cells

SCL18

	SCL18
<b>Parameter</b>	FREE CHLORINE (INORGANIC)
<b>Measuring range</b>	SCL18/0.5: 0-0.5 mg/l (0-0.5 ppm) resolution: $\pm 0.001$ SCL18/2: 0-2 mg/l (0-2 ppm) resolution: $\pm 0.001$ SCL18/20: 0-20 mg/l (0-20 ppm) resolution: $\pm 0.001$
<b>Voltage supply</b>	0/5 VDC ( $\pm 10\%$ ) (10 mA)
<b>Connection</b>	5-pole screw connector
<b>Measuring system</b>	amperometric 3-electrode system
<b>Ph working range</b>	5-9 pH (ref. HOCl dissociation curve)
<b>Conductivity water sample</b>	50 $\mu\text{S/cm}$ - 10000 $\mu\text{S/cm}$
<b>Run-in-time</b>	first start up 1-24 h (6 hours usually) depending on water quality
<b>Response time</b>	$T_{90}$ : 60 sec. approx
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment" - DPD1
<b>Alcalinity</b>	min 80 ppm
<b>Working temperature</b>	5-70° C (41-158°F)
<b>Temperature compensation</b>	automatically, by an integrated temperature sensor
<b>Max pressure</b>	8 bar (116 PSI) - 80 mwc [mH <sub>2</sub> O] no pressure impulses and/or vibration, no depressure
<b>Power supply</b>	4 wires
<b>Cable (standard)</b>	1 m (3.28 ft)
<b>Electrolyte mod.</b>	ELESCL18
<b>Working flow</b>	40 l/h
<b>Cleaning system</b>	selfcleaning with 3-balls systems
<b>Material</b>	shaft: PEEK; clamp ring:PPE; electrode: gold; oring: EPDM
<b>Storage</b>	probe: frost-protected, dry and without electrolyte (5-40° C) electrolyte: in original bottle, protect from sunlight (5-25°C)
<b>Maintenance</b>	regular control of measuring signal change electrolyte: every 3-6 months SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.