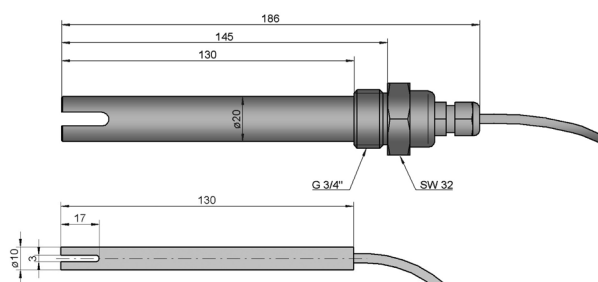


## Conductivity Probe FYA641LFP1 / LFL1



### Applications:

Concentrated waste water, aggressive waters, general aqueous and partly aqueous solutions, beer, emulsions, electroplating, waters, concentrated acidic and alkaline solutions, corrosive acids and alkaline solutions, lacquers and paints, substances containing protein, soaps, detergents, suspensions, titrations in organic substances, environmental analysis.

### Technical Data

Measuring range:	0.01 to 20mS/cm LFL1 up to 10mS/cm	Shaft material:	PVC - C
Temperature sensor:	NTC, type N (10k at 25°C)	Shaft length/shaft diameter:	LFP1: 130mm/20mm LFL1: 130mm/10mm
Temperature compensation:	0 to +70°C, automatic	Fitting length / thread	only LFP1 145 mm / G $\frac{3}{4}$ ''
Compensation coefficient:	1.9 linear	Maximum pressure	LFP1: 16 bar at 25 °C LFL1: not suitable for use under pressure
Cell constant:	approx. 1cm <sup>-1</sup>	Cable length:	1.5m
Electrode material:	special coal	Power supply:	8 to 12V through meas. instr.
Accuracy:	± 3% of meas. val. ± 0.1mS/cm	Current consumption:	approx ca. 3 mA
Nominal temperature:	25°C ± 3°C		
Operating temperature:	-5 to 70°C		
Minimum insertion depth:	30mm		

### Accessories

Reference solution 2.77mS/cm at 25°C 0.02mol KCl, 250ml

**Order no.**

**ZB96LFRL**

### Type (including manufacturer's test certificate)

Active conductivity probe with automatic temperature compensation, Built-in probe, G 3/4" thread, suitable for use under pressure up to 20mS/cm

Laboratory probe, not suitable for use under pressure up to 10mS/cm

Factory calibration KY90xx conductivity for measuring chain (sensor + device) (see chapter Calibration certificates)

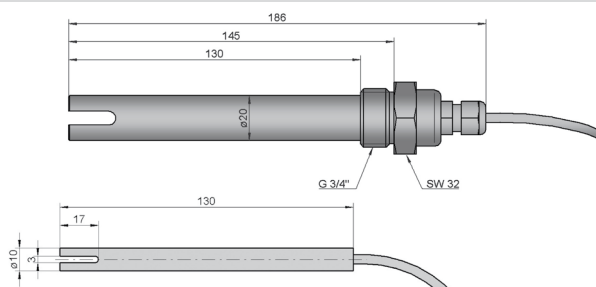
**Order no.**

**FYA641LFP1**

**FYA641LFL1**

# Water analysis

## Conductivity Probe FYA641LFP2 / LFL2



### Applications:

Low-salt waste water, general aqueous and partly aqueous solutions, fish tanks, emulsions, desalting/ion exchanger, beverages, waters, cold/boiler feed water, lacquers and paints, milk, samples with low ionic strength, substances containing protein, purest water, soaps, detergents, suspensions, drinking water, environmental analysis.

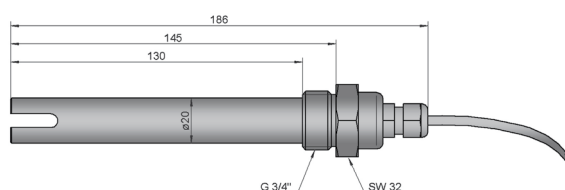
### Technical Data

Measuring range:	10 to 200 $\mu\text{S}/\text{cm}$	Shaft material:	PVC - C
Temperature sensor:	NTC, type N (10k at 25°C)	Shaft length/Shaft diameter:	LFP2: 130mm/20mm LFL2: 130mm/10mm
Temperature compensation:	0 to +70°C, automatic	Fitting length / thread	only LFP2 145 mm / G $\frac{3}{4}$ \"
Compensation coefficient:	1.9 linear	Maximum pressure	LFP2: 16 bar at 25 °C LFL2: not suitable for use under pressure
Cell constant:	approx. 1 $\text{cm}^{-1}$	Cable length:	1.5m
Electrode material:	special coal	Power supply:	8 to 12V through meas. instr.
Accuracy:	$\pm 3\%$ of meas. val. $\pm 1 \mu\text{S}/\text{cm}$	Current consumption:	approx. 3 mA
Nominal temperature:	25°C $\pm 3^\circ\text{C}$		
Operating temperature:	-5 to 70°C		
Minimum insertion depth:	30mm		

Zubehör	Order no.
Reference solution 147 $\mu\text{S}/\text{cm}$ at 25°C 0.001mol KCl, 250ml	ZB96LFRL2

Type (including manufacturer's test certificate)	Order no.
Active conductivity probe 0 ... 200 $\mu\text{S}/\text{cm}$ with automatic temperature compensation, Built-in probe, G $\frac{3}{4}$ \" thread, suitable for use under pressure Laboratory probe, not suitable for use under pressure Factory calibration KY90xx conductivity for measuring chain (sensor + device) (see chapter Calibration certificates)	FYA641LFP2 FYA641LFL2

## Conductivity Probe FYA641LFP3



### Applications:

Concentrated waste water, aggressive waters, general aqueous and partly aqueous solutions, beer, emulsions, electroplating, waters, concentrated acid and alkaline solutions, corrosive acids and alkaline solutions, lacquers and paints, substances containing protein, soaps, detergents, suspensions, titrations in organic substances, environmental analysis.

### Technical Data

Measuring range:	0 to 200 $\text{mS}/\text{cm}$	Shaft material:	PVC - C
Temperature sensor:	NTC, type N (10k at 25°C)	Shaft length:	145mm
Cell constant:	approx. 1 $\text{cm}^{-1}$	Shaft diameter:	20mm
Electrode:	4 electrodes, special coal	Fitting length / thread	130 mm / G $\frac{3}{4}$ \"
Accuracy:	$\pm 3\%$ of meas. val. $\pm 1 \text{mS}/\text{cm}$	Maximum pressure	16 bar at 25 °C
Nominal temperature:	25°C $\pm 3^\circ\text{C}$	Cable length:	1.5m
Operating temperature:	0 to 70°C	Power supply:	8 to 12V through meas. instr.
Minimum insertion depth:	30mm	Current consumption:	approx. 15 mA

Accessories	Order no.
Reference solution 111.8 $\text{mS}/\text{cm}$ at 25°C 1mol KCl, 250ml	ZB96LFRL3

Type (including manufacturer's test certificate)	Order no.
Conductivity probe 0 ... 200 $\text{mS}/\text{cm}$ without temp. compensation Factory calibration KY90xx conductivity for measuring chain (sensor + device) (see chapter Calibration certificates)	FYA641LFP3