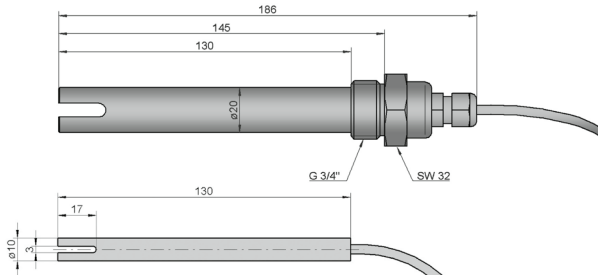
Conductivity Probe FYA641LFP1 / LFL1



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.

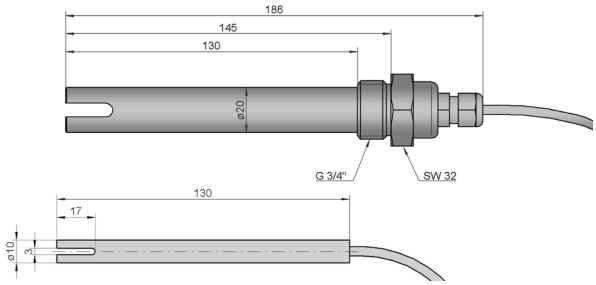
Technical Data

Measuring range:	0.01 to 20 mS/cm LFL1 up to 10 mS/cm
Temperature sensor:	NTC, type N (10 k at 25 °C)
Temperature compensation:	0 to +70 °C, automatic
Compensation coefficient:	1.9 linear
Cell constant:	approx. 1 cm^{-1}
Electrode material:	special coal
Accuracy:	± 3 % of meas. val. ± 0.1 mS/cm
Nominal temperature:	25 °C ± 3 °C
Operating temperature:	–5 to 70 °C
Minimum insertion depth:	30 mm

Shaft material:	PVC - C
Shaft length / shaft diameter:	LFP1: 130 mm / 20 mm LFL1: 130 mm / 10 mm
Fitting length / thread:	only LFP1 145 mm / G¾"
Maximum pressure:	LFP1: 16 bar at 25 °C LFL1: not suitable for use under pressure
Cable length:	1.5 m
Power supply:	8 to 12 V through meas. instr.
Current consumption:	approx. 3 mA

Type (including manufacturer's test certificate)	**Order no.**
Active conductivity probe with automatic temperature compensation, Built-in probe, G 3/4" thread, suitable for use under pressure up to 20 mS/cm	**FYA641LFP1**
Laboratory probe, not suitable for use under pressure up to 10 mS/cm	**FYA641LFL1**
Factory calibration KY90xx conductivity for measuring chain (sensor + device), see chapter „Calibration Certificates"	

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.

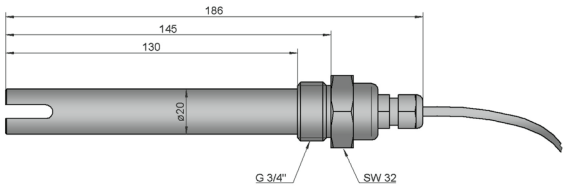
Technical Data

Measuring range:	10 to 200 µS/cm
Temperature sensor:	NTC, type N (10 k at 25 °C)
Temperature compensation:	0 to +70 °C, automatic
Compensation coefficient:	1.9 linear
Cell constant:	approx. 1 cm^{-1}
Electrode material:	special coal
Accuracy:	± 3 % of meas. val. ± 1 µS/cm
Nominal temperature:	25 °C ± 3 °C
Operating temperature:	–5 to 70 °C
Minimum insertion depth:	30 mm

Shaft material:	PVC - C
Shaft length / Shaft diameter:	LFP2: 130 mm / 20 mm LFL2: 130 mm / 10 mm
Fitting length / thread:	only LFP2 145 mm / G¾"
Maximum pressure:	LFP2: 16 bar at 25 °C LFL2: not suitable for use under pressure
Cable length:	1.5 m
Power supply:	8 to 12 V through meas. instr.
Current consumption:	approx. 3 mA

Type (including manufacturer's test certificate)	**Order no.**
Active conductivity probe 0 to 200 µS/cm with automatic temperature compensation,	
Built-in probe, G 3/4" thread, suitable for use under pressure	**FYA641LFP2**
Laboratory probe, not suitable for use under pressure	**FYA641LFL2**
Factory calibration KY90xx conductivity for measuring chain (sensor + device), see chapter „Calibration Certificates"	

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:	1 to 200 mS/cm
Temperature sensor:	NTC, type N (10 k at 25 °C)
Cell constant:	approx. 1 cm^{-1}
Electrode:	4 electrodes, special coal
Accuracy:	± 3 % of meas. val. ± 1 mS/cm
Nominal temperature:	25 °C ± 3 °C
Operating temperature:	0 to 70 °C
Minimum insertion depth:	30 mm

Shaft material:	PVC - C
Shaft length:	145 mm
Shaft diameter:	20 mm
Fitting length / thread:	130 mm / G¾"
Maximum pressure:	16 bar at 25 °C
Cable length:	1.5 m
Power supply:	8 to 12 V through meas. instr.
Current consumption:	approx. 15 mA

Type (including manufacturer's test certificate)	**Order no.**
Conductivity probe 0 to 200 mS/cm without temp. compensation	**FYA641LFP3**
Factory calibration KY90xx conductivity for measuring chain (sensor + device), see chapter „Calibration Certificates"	

11/2025 • We reserve the right to make technical changes.