

WATER ANALYSIS

Transducer Cables for pH and Redox Electrodes



Applications:

The transducer cables are available for all popular electrodes with a coaxial connector. An extreme high-impedance measuring amplifier is integrated into the ALMEMO® connector of the connecting cable to avoid any corruptions of measuring signals caused by the measuring instrument. Through impedance conversion and differential measurement it is also possible to measure several electrodes with different potentials, free from interferences, using only one ALMEMO® instrument. The illustration shows the transducer cable with electrodes from various manufacturers.

Types:

ALMEMO® transducer cable for pH value probes

Order No. ZA9610AKY4

ALMEMO® transducer cable for redox probes

Order No. ZA9610AKY5

ALMEMO® transducer cable for pH value and redox probes

Order No. ZA9610AKY6

Option: cable length 5m

Order No. OA9610K5

Technical Data:

Device:	ALMEMO® connector with integrated measuring amplifier >500 GΩ
Electrodes:	coaxial connector with screw for probes with plug head e.g. S7, SN6
Cable length:	1.2m (optional 5m)

Conductivity Probe Type FYA641LF



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.

Type:

Active conductivity probe
0 ... 20mS/cm with automatic temperature compensation

Order No. FYA641LF

Technical Data:

Measuring range:	0.01 to 20mS/cm
Temperature sensor:	NTC, type N (10k at 25°C)
Temperature compensation:	0 to +70°C, automatic
Compensation coefficient:	1.9 linear
Cell constant:	approx. 1cm ⁻¹
Electrode material:	special coal
Accuracy:	0.01 to 5mS/cm: ± 1% of meas. val. + 0.05mS 5 to 20mS/cm: ± 2% of meas. val. + 0.05mS
Nominal temperature:	25°C ± 3°C
Operating temperature:	-5 to 70°C
Minimum insertion depth:	30mm
Shaft material:	PVC - C
Shaft length/shaft diameter:	120mm/20mm
Cable length:	1.5m
Power supply:	8 to 12V through meas. instr.
Current consumption:	approx. 3mA

Accessories:

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

Order No. ZB96LFRL

Conductivity Probe Type FYA641LF2



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.

Accessories:

Reference solution 147 μ S/cm at 25°C
0.001 mol KCl, 250ml

Order No. ZB96LFRL2

Type:

Active conductivity probe
0 ... 200 μ S/cm with automatic
temperature compensation

Order No. FYA641LF2

Technical Data:

Measuring range:	1 to 200 μ S/cm
Temperature sensor:	NTC, type N (10k at 25°C)
Temperature compensation:	0 to +70°C, automatic
Compensation coefficient:	1.9 linear
Cell constant:	approx. 1cm ⁻¹
Electrode material:	special coal
Accuracy:	\pm 2% of meas. val. + 0.5 μ S
Nominal temperature:	25°C \pm 3°C
Operating temperature:	-5 to 70°C
Minimum insertion depth:	30mm
Shaft material:	PVC - C
Shaft length/Shaft diameter:	120mm/20mm
Cable length:	1.5m
Power supply:	8 to 12V through meas. instr.
Current consumption:	approx. 3mA

Conductivity Probe Type FYA641LF3



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

Accessories:

Reference solution 111.8mS/cm at 25°C
1mol KCl, 250ml

Order No. ZB96LFRL3

Type:

Conductivity probe 0 ... 200mS/cm
without temp. compensation

Order No. FYA641LF3

Technical Data:

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