

WATER ANALYSIS

pH One-Bar Measuring Chain FY 96 PHEK



Applications:

manual measurements e.g. swimming pools, drinking water ...

Type:

pH-one-bar measuring chain pH 1 ... 12, 0 ... 60°C
for unpressurised operating **Order no. FY96PHEK**

Technical Data:

pH range:	1 ... 12
Operating range	0 ... 13pH / 0 ... 60°C
Operating pressure:	unpressurised
Conductivity:	> 150 μ S / cm
Diaphragm type:	glass fiber
Reference:	Ag / AgCl (3mol KCl / gel)
Shaft length:	125 \pm 3mm
Shaft diameter:	12mm (polycarbon)
Electrode head:	plug head SN6

pH One-Bar Measuring Chain FY 96 PHER



Applications:

Waste water, drinking water, industrial water
chemical industry, paper industry, food industry ...
(not media contained for chlorine and fluoride,
for not frequent temperature fluctuations).

Type:

pH-one-bar measuring chain
pH 1 ... 12; 0 ... 80°C **Order no. FY96PHER**

Technical Data:

pH range:	1 ... 12
Operating range	0 ... 13pH / 0 ... 80°C
max. pressure:	6 bar
Conductivity:	> 50 μ S / cm
Diaphragm type:	PTFE ring diaphragm
Reference:	Ag mit AgCl stock (3mol KCl / polymer)
Shaft diameter:	12mm (glass)
screw connection	thread PG13.5
Shaft length:	120 \pm 3mm
Electrode head:	plug head SN6

pH One-Bar Measuring Chain FY 96 PHEN



Applications:

manual measurements in the laboratory.

Type:

pH-one-bar measuring chain pH 0 ... 12, 0 ... 80°C
for unpressurised operating **Order no. FY96PHEN**

Technical Data:

pH range:	0 ... 12
Operating range	0 ... 13pH / 0 ... 80°C
Operating pressure:	unpressurised
Conductivity:	> 150 μ S / cm,
Diaphragm type:	ceramik diaphragm
Reference:	Ag / AgCl stock (3mol KCl / liquid) KCl-elektrolyt refillable
Shaft length:	160 \pm 3mm
Shaft diameter:	12mm (material: glass)
Electrode head:	plug head SN6

pH Insertion Electrode FY 96 PHEE



Applications:

pH-measurements in semi-solid or pasty media,
e.g. foods like meat, cheese ...

Type

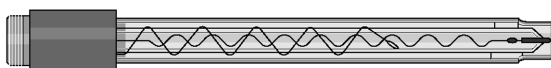
pH-insertion electrode pH 1 ... 12, 0 ... 60°C
for unpressurised operating

Order no. FY96PHEE

Technical Data:

pH range:	1 ... 12
Operating range	0 ... 13pH / 0 ... 60°C
Operating pressure:	unpressurised
Diaphragm type:	3 ceramik diaphragms
Reference:	Ag / AgCl (3mol KCl / liquid) KCl-elektrolyt refillable
Shaft length:	120 ±3mm (glass)
Penetrating tip	approx. 45 mm, Ø 6 to 8 mm
Electrode head:	plug head SN6

Redox One-Bar Meas. Chain FY 96 RXEK



Applications:

manual measurements e.g. swimming pools, drinking water ...

Type:

Redox-one-bar measuring chain 0 ... 60°C
for unpressurised operating

Order no. FY96RXEK

Technical Data:

Operating temperature	0 ... 60°C
Operating pressure:	unpressurised
Conductivity:	> 150 µS / cm
Diaphragm type:	glass fiber
Metal electrode :	platinum
Shaft length:	125 ±3mm
Shaft diameter:	12 mm (material: plastic)
Electrode head:	plug head SN6

Accessories for pH-One-Bar Measuring Chains and Redox-One-Bar Measuring Chain

pH-One-Bar Measuring Chains:

ALMEMO® transducer cable* for pH probes,
1.2m Order no. ZA9610AKY4W
5m Order no. ZA9610AKY4WL05

ALMEMO® transducer cable* for pH and redox probes,
1.2m Order no. ZA9610AKY6W
5m Order no. ZA9610AKY6WL05

Buffer solution pH 4.0 50ml Order no. ZB98PHPL4
Buffer solution pH 7.0 50ml Order no. ZB98PHPL7
Buffer solution pH 10.0 50ml Order no. ZB98PHPL10
KCl solution, 3-molar, 50ml
for refilling and storage Order no. ZB98PHNL

Redox-One-Bar Measuring Chain:

ALMEMO® transducer cable* for redox probes,
1.2m Order no. ZA9610AKY5W
5m Order no. ZA9610AKY5WL05

ALMEMO® transducer cable* for pH and redox probes,
1.2m Order no. ZA9610AKY6W
5m Order no. ZA9610AKY6WL05

Redox buffer solution, 220mV Order no. ZB98RXPL2
KCl solution, 3-molar
for refilling and storage, 50ml Order no. ZB98PHNL

* Cable with spray-coated ALMEMO® connector

01/2011 We reserve the right to make technical changes.

AHLBORN
www.ahlborn.com

supplyLAB
www.supplylab.pt

WATER ANALYSIS

ALMEMO® connecting cable for pH and redox probes

Applications

Transducer cables are available for all popular electrodes with a coaxial connector. To avoid the measuring signal being corrupted by the measuring instrument itself an extremely high-impedance amplifier is integrated in the ALMEMO® connector on the connecting cable. It is also possible, by means of impedance conversion and differential measurement, to measure several electrodes with different potentials, -free from interference and using only one ALMEMO® device.



Transducer cable with various electrodes



Technical data

Transducer	High-impedance measuring amplifier (>500 Gohm), integrated in the ALMEMO® connector
Electrode terminal	For plug-on head S7/SN6 or SMEK (see variants)

Variants

ALMEMO® connecting cable with transducer (ALMEMO® connector, spray-coated)

For probes with plug-on head S7/SN6 (coaxial connector, screw-fit):

Programming for pH probe

Cable length 1.2 meters **Order no. ZA9610AKY4W**
Cable length 5 meters **Order no. ZA9610AKY4WL05**

Programming for redox probes

Cable length 1.2 meters **Order no. ZA9610AKY5W**
Cable length 5 meters **Order no. ZA9610AKY5WL05**

Programming for pH or redox probe (1 probe connectable at a time)

Cable length 1.2 meters **Order no. ZA9610AKY6W**
Cable length 5 meters **Order no. ZA9610AKY6WL05**

ALMEMO® connecting cable with transducer For probes with SMEK plug-on head

Cable length 2 meters

Programming for pH probe with integrated temperature sensor NTC (30 kohm at 25 °C), linearization saved in ALMEMO® connector (only for current V6 ALMEMO® devices) **Order no. ZA9640AKY8**

Programming

for pH probe **Order no. ZA9610AKY8**

Programming

for redox probe **Order no. ZA9610AKY9**

new!

NTC temperature sensor for automatic temperature compensation when measuring pH

Connector programming designation *T for ALMEMO® 2490 and 2590-2/-3S/-4S and (with effect from 07/2006) for ALMEMO® 2690/ 2890/ 5690/ 8590/ 8690



Variants

Stainless-steel sheathed sensor (see page 08.07) Diameter 3.0 mm, length 250 mm, Hexagonal cable sleeve with 1.5 meters PVC cable and ALMEMO® connector

Order no. FNA30L0250T

Safety hose made from PTFE (for aggressive media) Hermetically sealed on one side, inside diameter 3.0 mm, outside diameter 4.0 mm, length 700 mm

Order no. ZF9600TS7