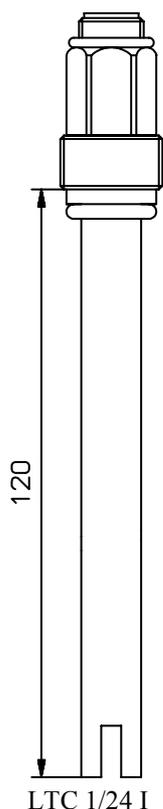


CONDUCTIVITY CELLS LTG and LTC

06/04



These conductivity cells are 2-electrode cells with identical dimensions in relation to the pH electrodes. The cell LTG consists of a glass-body with two parallel platinum electrodes melted into glass. The cell LTC with plastic stem and graphite electrodes features rugged design, low maintenance and easy cleaning.

The cells LTG 1/23, LTG 0.1/23 and LTC 1/23 are fitted up with a built-in temperature probe Pt 1000 for automatic temperature compensation. The cells with cell constant about 1 cm^{-1} (LTG 1/24 and LTC 1/24) are recommended for use in the measuring range of about $100 \mu\text{S/cm}$ up to 20 mS/cm (depends from measuring frequency and measuring voltage). Cells LTG 0,1/24 and LTG 0,1/23 with a with a cell constant of about 0.1 cm^{-1} should be used for measurement ranges below $200 \mu\text{S/cm}$.

Conductivity cells without integrated temperature probe LTG 1/24, LTC 1/24 and LTG 0,1/24 are available with dismountable coaxial S7 plug head connection system for industrial use. The cells with built-in temperature probe are equipped with dismountable multipin SixPlug plug head connections or with fixed cable connection.

Accompanying plug head cable connections:

K 43/2: Coaxial measuring cable, length 2 m with S7 plug head connector, without meter plug, for LTG 1/24 I, LTC 1/24 I and LTG 0,1/24 I

K 18/2: Multi-wire connection cable, length 2 m with SixPlug plug head connector without meter plug, for LTG 1/23 SMEK, LTC 1/23 SMEK and LTG 0,1/23 SMEK

cable wiring K 18 and fixed cable:

screen:	electrode	white:	electrode
brown /green:	Pt 1000	grey/pink:	Pt 1000

Dimensions : mm

Specifications	Cells LTC 1/24; LTC 1/23	Cells LTG 1/24; LTG 1/23	Cells LTG 0,1/24; LTG 0,1/23
Cell constant	$1.0 \text{ cm}^{-1} \pm 20 \%$	$1.0 \text{ cm}^{-1} \pm 20 \%$	$0.1 \text{ cm}^{-1} \pm 20 \%$
Dimensions	$\varnothing 12 \text{ mm}$; length 120 mm	$\varnothing 12 \text{ mm}$; length 120 mm	$\varnothing 12 \text{ mm}$; length 120 mm
Stem material	plastic (PSU)	glass	glass
Electrode material	special graphite	platinum, platinized	platinum
Temperature probe	LTC 1/23: built-in platinum resistor Pt 1000	LTG 1/23: built-in platinum resistor Pt 1000	LTG 0,1/23: built-in platinum resistor Pt 1000
Outfit			
PG 13.5 threaded S7 plug head (connection cable: K 43)	LTC 1/24 I	LTG 1/24 I	LTG 0,1/24 I
5 m multi-wire screened fixed cable without meter plug, stem equipped with hex nut PG 13.5	LTC 1/23 K/PG	LTG 1/23 K/PG	LTG 0,1/23 K/PG
PG 13.5 threaded multipin SixPlug plug head (connection cable: K 18)	LTC 1/23 SMEK	LTG 1/23 SMEK	LTG 0,1/23 SMEK

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Quality System certified to DIN EN ISO 9001

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