



The conductivity cells LTC are plastic bodied cells with two parallel graphite electrodes. These cells feature wide measuring range, rugged design, low maintenance and easy cleaning ideal for universal application in on-line monitoring as well as in connection with pocket and field instrumentation. The dimensions are identical to pH and redox electrodes (\varnothing 12 mm). Cells LTC 1/21, 1/22 and 1/23 are fitted up with a built-in temperature probe in 4-wire connection for automatic temperature compensation. LTC 1/24 is without temperature probe.

Specifications

Measuring Ranges	about 10 μ S/cm up to 20 (100) mS/cm, depends from frequency and measuring voltage
Cell Constant	1 $\text{cm}^{-1} \pm 20\%$
Electrode Material	special graphite sealed in epoxy
Operating Temperature	-5 ... 80 °C
Maximum Pressure	max. 6 bar above atmospheric in accordance with mounting equipment
Material	PSU, graphite, silicon O-ring
Dimensions	\varnothing 12 mm, immersion or stem length 120 mm (special dimensions at request)
Temperature Sensor	incorporated Pt 1000, Pt 100 or NTC for automatic temperature compensation and temperature measurement LTC 1/24: without incorporated temperature sensor LTC 1/23: with incorporated temperature sensor Pt 1000 LTC 1/22: with incorporated temperature sensor Pt 100 LTC 1/21: with incorporated NTC (standard 10 k Ω) Response time temperature sensor: t_{90} about 20 s at 25 °C
Models:	standard versions; special versions upon request LTC 1/24 I LTC 1/23 SMEK, LTC 1/22 SMEK, LTC 1/21 SMEK LTC 1/23 K/PG, LTC 1/22 K/PG, LTC 1/21 K/PG

Sensortechnik Meinsberg GmbH

Quality System certified to DIN EN ISO 9001
Fabrikstraße 69, Ortsteil Meinsberg
D-04720 Ziegra-Knobelsdorf /GERMANY

Internet: www.Meinsberg.de
Tel. +49 34327 623-0
Fax +49 34327 623-79



CONDUCTIVITY CELL series LTC

09/03

Electrical Connections	I:	PG 13.5 threaded plug head S7-system accompanying cable connection K 43, max. 20 m
	SMEK:	Multipin PG 13.5 threaded SMEK plug head accompanying cable connection K 18, max. 20 m cable K 18 wiring: shield/white: electrodes green/grey: temp. sensor brown/pink: temp. sensor
	K/PG:	fixed heavy duty cable, length 5 m, stripped ends without connector and in addition sensor stem equipped with hex nut PG 13.5 special multi-wire cable, shielded, jacket PUR black, max. temperature cable LTC 1/23 wiring: shield/white: electrodes green/grey: temp. sensor brown/pink: temp. sensor
	S:	special version (fixed and sealed cable with plug, stripped ends etc.)

Sensortechnik Meinsberg GmbH

Quality System certified to DIN EN ISO 9001

Fabrikstraße 69, Ortsteil Meinsberg

D-04720 Ziegra-Knobelsdorf /GERMANY

Internet: www.Meinsberg.de

Tel. +49 34327 623-0

Fax +49 34327 623-79

