

4- Electrode conductivity cells LM4E CC0.5 and CC1-3 for e.g.



1300.0401 SMART-96 LF

1300.2201 SMART-WG LF

0022B0480 LFTR4E 40 Transmitter

Conductivity measuring cells in 4-electrode technology with cell constants 0.5, 1, 2 and 3

4-electrode technology means: insensitive to contamination.

High measuring accuracy even with dirty contacts.

The removable sleeve / cap on CC 1 ... 3 enables convenient cleaning of the contacts if necessary.

Measuring cell LM4E

0022.4006NTC

0022.4006Pt100

0022.4006Pt1000



CC 0.5

Technical data: (subject to change)



Measuring ranges: CC0,5	0...100µS / 1mS / 10mS / 100mS/cm
With the CC1	0...200µS / 2mS / 20mS / 200 mS/cm
Transmitter CC2	0...400µS / 4mS / 40mS / 400 mS/cm
LFTR4E-40 CC3	0...600µS / 6mS / 60mS / 600 mS/cm
0022B0480 CC3S1200 mS/cm
Measurement accuracy	+/- 3% for CC0.5 and CC1 +/- 5% for CC2 and CC3
Temperature compensation	NTC-2K or Pt100 Cl.B or Pt1000 Cl.B
Material measuring contacts	Graphite / titanium
Temperature	max. 80°C
O-ring seals	FPM and EPDM

Measuring cell LM4E

0022.4000NTC

0022.4000Pt100

0022.4000Pt1000



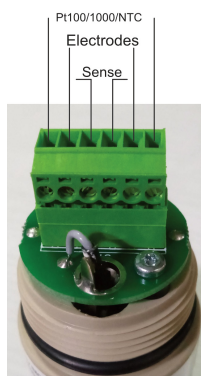
without CC cap

For a defined cell constant CC, the LM4E measuring cell must always be used with sleeve or cap



0022.4001H

sleeve CC1



Connection

To PLC - Output
0(4)...20mA / 10V



Transmitter

LFTR4E-40 0022B0480

for the TA40 fitting

Measuring cell LM4E



40 mm

0022.4002K

cap CC2

0022.4003K

cap CC3



TA40 Fitting

TA40 head
0022.4300

TA40 pipe

Length 200 mm 0022.4020

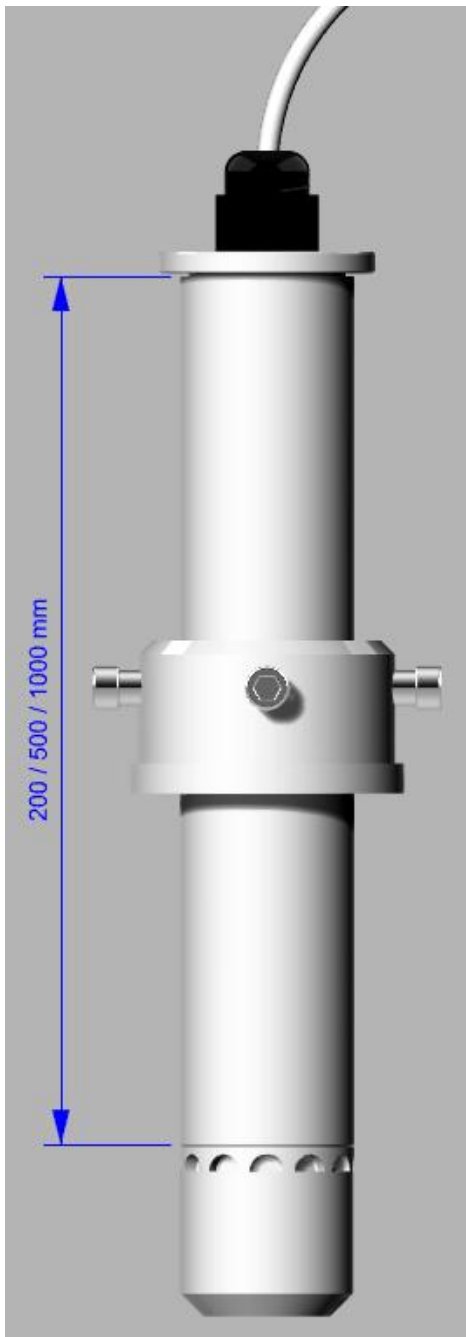
Length 500 mm 0022.4050

Length 1000 mm 0022.4100

The **Collar bushing 0022.4400** is sealed to the immersion tube with an O ring and can be moved over the entire length. It fits into a 2 1/4 "screw connection.

With the **Adapter ring 0022.4500** a Screw connection 2 3/4" can be used.

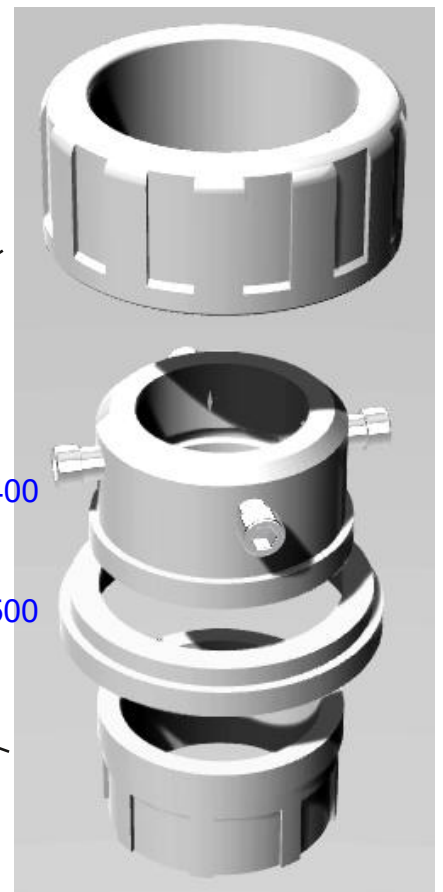
This version is intended for a pressure of up to 4 bar.
Prerequisite, the 4 Allen screws are tightened.



Screw connection 2 3/4"

Collar bushing 0022.4400

Adapter ring 0022.4500





The LM4E measuring cell is screwed in here.

TA40 connector 0022.0476

Used to connect
2 x TA40 tubes.

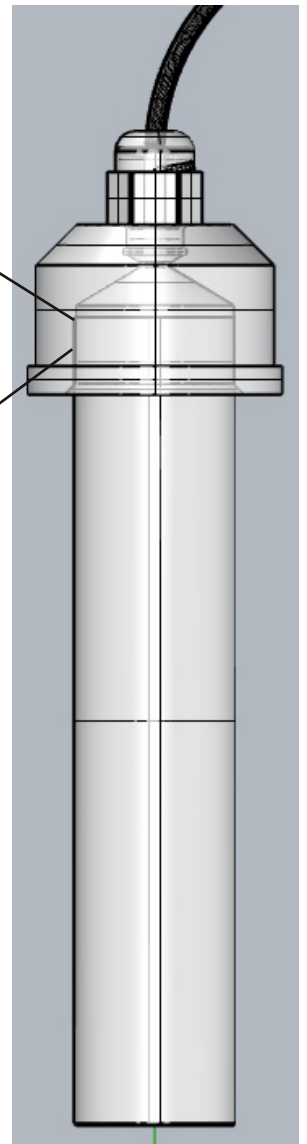


Insertion head 0022.4450

Screw connection 2 1/4"

TA40 pipe is shortened to the
required size and welded.

Welding can be
carried out by IMO
or by the customer.



At a pressure greater than 3..4 bar, we recommend using the **insertion head 0022.4450**.

The **TA40 pipe** is shortened to the required length and welded to the insertion head.

Thus, a pressure > 4 bar is not a problem.

The 2 3/4 "screw connection can also be used with the **adapter ring 0022.4500**.