

# Conductivity meters LMA-I CC001- CC01- CC1

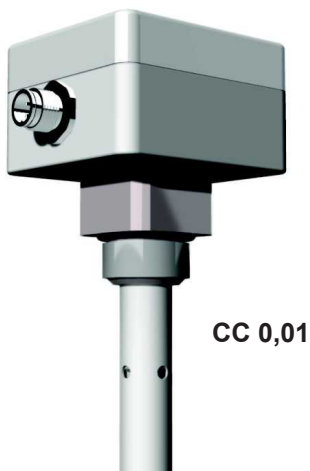


For conductive measurement in liquids

0022.8020.001 LMA-I 001 PP  
0022.8025.001 LMA-I 001 PVDF

0022.8020.01 LMA-I 01 PP  
0022.8025.01 LMA-I 01 PVDF

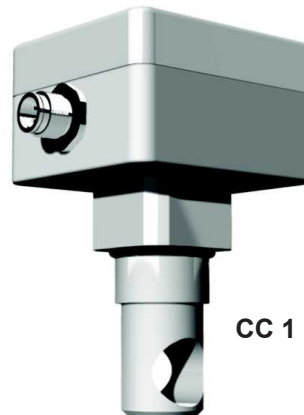
0022.8020.1 LMA-I 1 PP  
0022.8025.1 LMA-I 1 PVDF



CC 0,01



CC 0,1



CC 1

## Programmable conductivity meter with

LED display green / green-red / red

2 x Current output: 0(4)...20mA for conductance or for temperature.

Measuring range: /cm

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### Measuring range selection

|        |       |         |         |
|--------|-------|---------|---------|
|        |       |         | 200 mS  |
|        |       |         | 100 mS  |
|        |       |         | 50 mS   |
|        |       |         | 20 mS   |
|        |       |         | 10 mS   |
|        |       |         | 5 mS    |
|        |       |         | 2 mS    |
|        |       | 1000 µS | 1000 µS |
|        |       | 500 µS  | 500 µS  |
|        |       | 200 µS  | 200 µS  |
| 100 µS | _____ | 100 µS  | 100 µS  |
| 50 µS  |       | 50 µS   |         |
| 20 µS  |       | 20 µS   |         |
| 10 µS  | _____ | 10 µS   |         |
| 5 µS   |       |         |         |
| 2 µS   |       |         |         |
| 1 µS   |       |         |         |
| 500 nS |       |         |         |
| 200 nS |       |         |         |
| 100 nS |       |         |         |

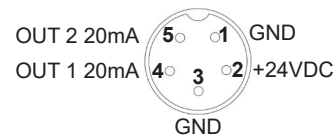
The analog outputs are assigned to the selected measuring range, e.g. 0...10mS ≙ 0(4)... 20mA, or the temperature: 0...100°C ≙ 0(4)...20mA.  
Temperature sensor: Pt1000 KI. B



**Technical data:** (subject to change)

|   |   |
|---|---|
| Temperature compensation                    | TC nat , TC lin 0...6,0                                 |
| Reference temperature                       | 25°C  |
| Measurement accuracy, after fine adjustment | ±3% , ±1%   |
| Operating voltage                           | 12 / 24 VDC ± 10%                                       |
| Current consumption                         | < 50 mA   |
| Galvanic isolation                          | Yes, the measurement input is galvanically isolated.    |
| Cable connection                            | Plug M12-GX12   |
| Ambient temperature                         | -20...50°C  |
| Protection class                            | IP65  |
| Housing measuring cells                     | PP / PVDF   |
| Medium contacting materials                 | CC 0.01 / 0.1 1.4404, EPDM / CC 1 Titan, Graphite, EPDM |
| Measuring surfaces CC 0.01 + 0.1 / CC 1     | 1.4404 / Graphite                                       |
| Temperature resistance measuring cells      | PP 0...60°C / PVDF 0...110°C                            |
| Compressive strength                        | 16 bar until 60°C PP / 16 bar until 110°C PVDF          |

**Plug connection**  
Viewed from the outside on the pins.



**M12-GX12 connection cable**

|        |    |          |
|--------|----|----------|
| Brown  | BN | 1 Ground |
| White  | WH | 2 +24VDC |
| Gray   | GY | 3 Ground |
| Yellow | YE | 4 I OUT1 |
| Green  | GN | 5 I OUT2 |

