Quick-Start ILM-4

1. Application/intended use

- Inductive measurement of specific conductivity and concentration of fluid media in the range of
- 0...999 mS/cm
- For use in hygienic applications of the food, beverage and pharmaceutical industries
- Not suitable for use in explosive atmospheres
- Not suitable for safety-related unit parts (SIL)

2. Wiring diagram

2.1 M12 plug connection

Version N (Electronics A63)
M12 connector top (4 pol.)

1:	Output 1+
2:	Output 2+
3:	Output 2 –
4:	Output 1 –

M12 connector bottom (5 pol.)

1:	Power supply +24 VDC
2:	not connected
3:	not connected
4:	Power supply –
5:	Digital input

Version M (Electronics A42)
M12 connector (4 pol.)

1:	Power supply +24 VDC
2:	Output 1+
3:	Output 1–
4:	Power supply –

2.2 Cable gland
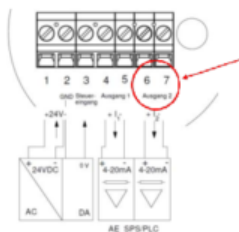
When electronics A42 (only 1 output) is selected, terminals 6 and 7 and thus output 2 and the control (terminal 3) input are disabled.

3 Delivery status

Output 1 (terminals 4 and 5 or PINs 1 and 4): conductivity 1 with measurement range 0...200 mS

Output 2 (terminals 6 and 7 or PINs 2 and 3): temperature with measuring range 0...150 °C

In the parameter list included with the sensor, the setting of the sensor for output 1 (terminals 4 and 5) can be found under **X45a**, for output 2 (terminals 6 and 7) under **X67**.

The parameters can be set either via the PC-based MPI-200 programming adapter or the Simple User Interface directly on the sensor.

The sensor, the user interface and the software are subdivided into **Display, Electronics (signal interface)** and **Sensors (conductivity measurement)**.