

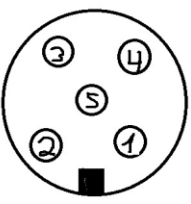
Bluetooth data connection 4CH-I/O-BT



The 4CH-I/O-BT transmits 0–10 V or 4–20 mA analog signals via bluetooth. It serves as interface between sensors and control system and consists of two modules. A master, which acts as a receiver located outside the machine, and a slave, which is mounted inside the machine near the measuring head. It transmits sensor data to the master. From there, data can be further processed as analog signals into the machine control system.

Pin assignment cable:

Power supply

1 → brown / L+ 2 → white / not connected 3 → blue / 0V 4 → black / Rx not connected 5 → grey / PE not connected	
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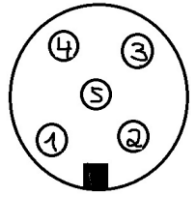
Connect **L+** and **0V**.

The power supply operates at 10–30 V DC.

Power is supplied to both master and slave via 5-pin connector on the sensor.

Pin assignments cable:

Slave signal connections

1 → brown / VOut 2 → white / not connected 3 → blue / 0V 4 → black / AI/AO 5 → grey / PE not connected	
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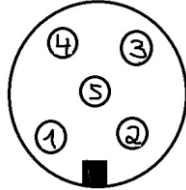
The following is required on slave side: **Vout, 0V and AI/AO**.

These are connected to the sensor cables as follows, or connected directly to the sensor itself.

1 → brown / VOut	brown
3 → blue / 0V	white and yellow
4 → black / AI/AO	green

If the cables are connected directly to the circuit board or the probe connector, 0V and ground terminals must be connected together.

Pin assignments cable:
Master signal connections

1 → brown / VOut not connected 2 → white/ not connected 3 → blue / 0V 4 → black / AI/AO 5 → grey / PE not connected	
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The master side requires **0V** and **AI/AO**.

3 → blue / 0V	white/ yellow → slot 2 or 3
4 → black / AI/AO	green → slot 4

- 10 bits per channel
- 10 Hz sampling rate per channel
- 0–10 V voltage output
- Recommended range: approx. 15 m, max. 70 m
- No interference near machinery

Master and slave are equipped with 4 analog inputs and 4 analog outputs.

The outputs (AO) are located on slots X1-4.

The inputs (AI) are located on slots X5-8.

The following inputs and outputs communicate with each other:

X1–X5
 X2–X6
 X3–X7
 X4–X8