

3.3 Electrical connection

Connection diagram

The connection diagram depicted in Fig. 3.4 shows the instrument connections for an oxygen sensor. The sensor connection is shown in more detail in Fig. 3.Fig. 3.66 and 3.7.



Note:

The instrument has protection class II and is generally operated without protective earth connection.

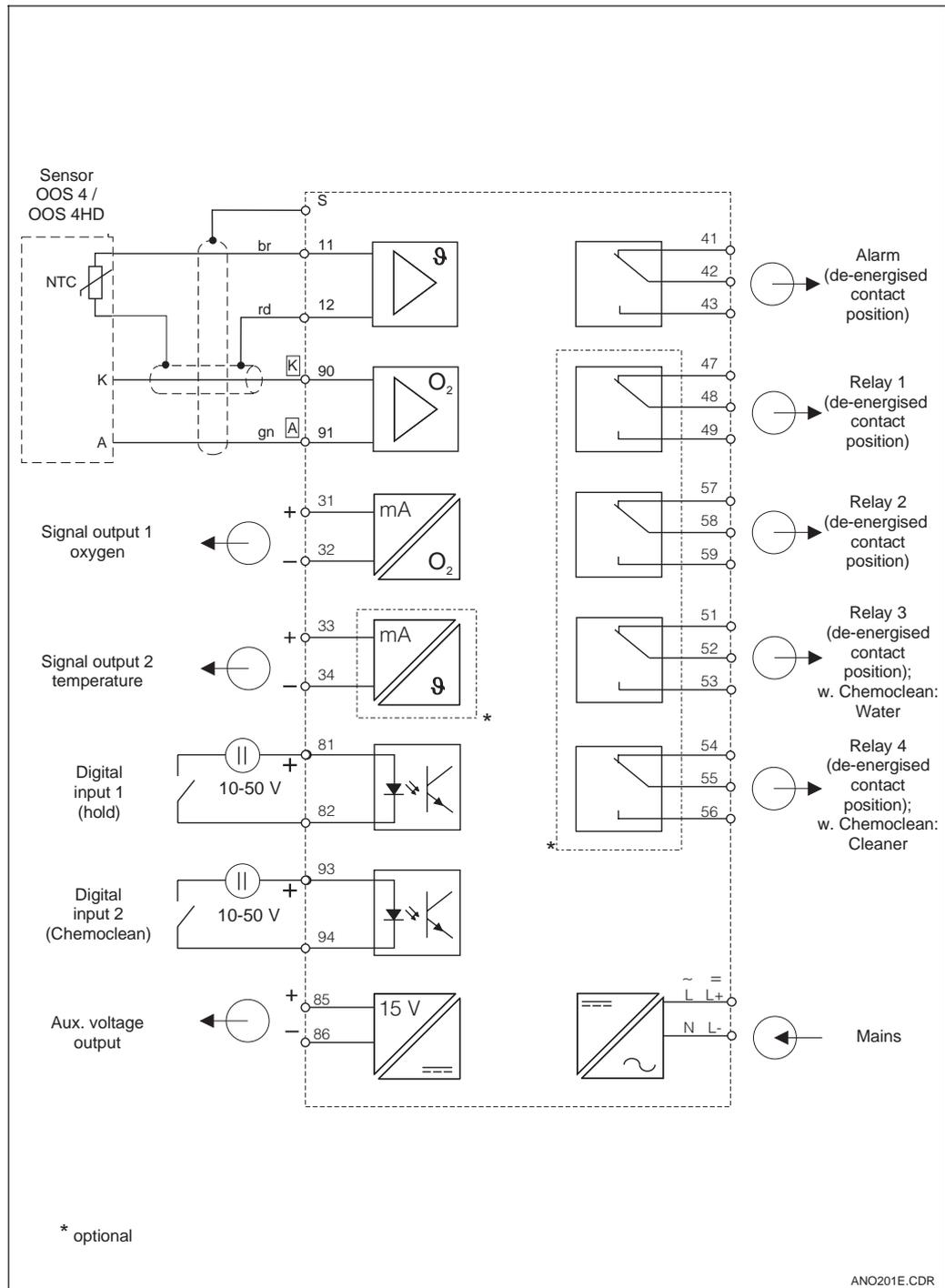
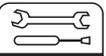


Fig. 3.4 Electrical connection of transmitter OOM 223 (all inputs and outputs connected)

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Connections of panel-mounted instrument

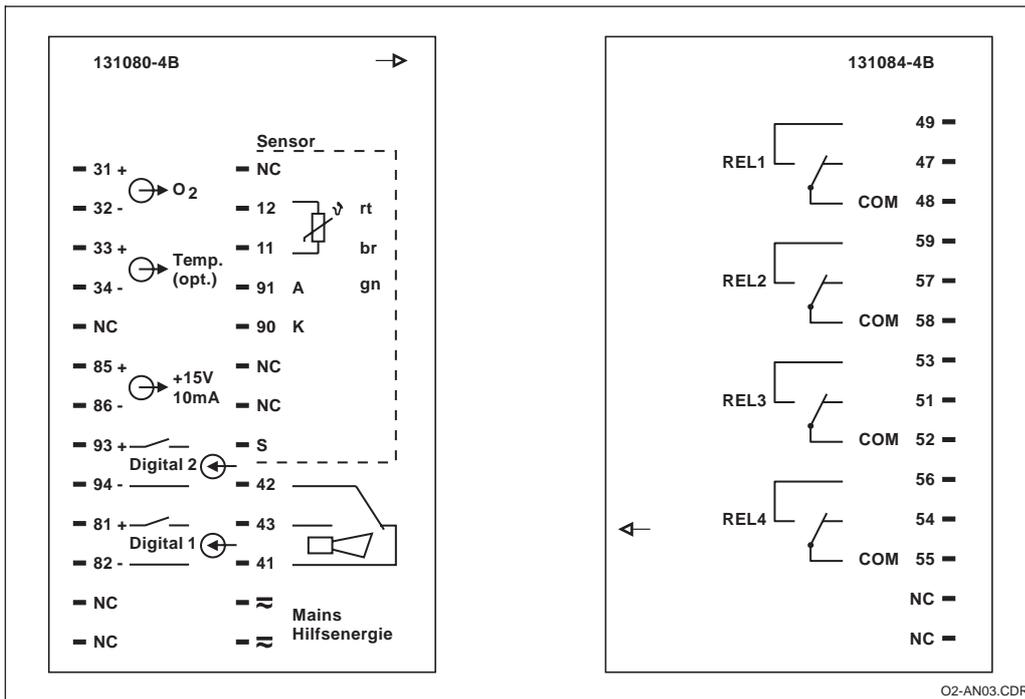


Fig. 3.5 Connection compartment stickers for panel-mounted instrument OOM 223

3.4 Sensor installation and measuring cable connection

Measuring cable connection

The oxygen sensor is connected via a special screened, multi-core cable which is completely terminated and permanently connected to the sensor.

Use junction box VBM and extension cable CMK (see chpt. 8) to extend the measuring cable.

Special measuring cable required for oxygen sensor connection		
Sensor type	Sensor cable	Extension
OOS 4 / OOS 4HD	OMK	VBM box + OMK
Maximum cable length		
OOS 4 / OOS 4HD	50 m with OMK	

Structure and termination of sensor cable

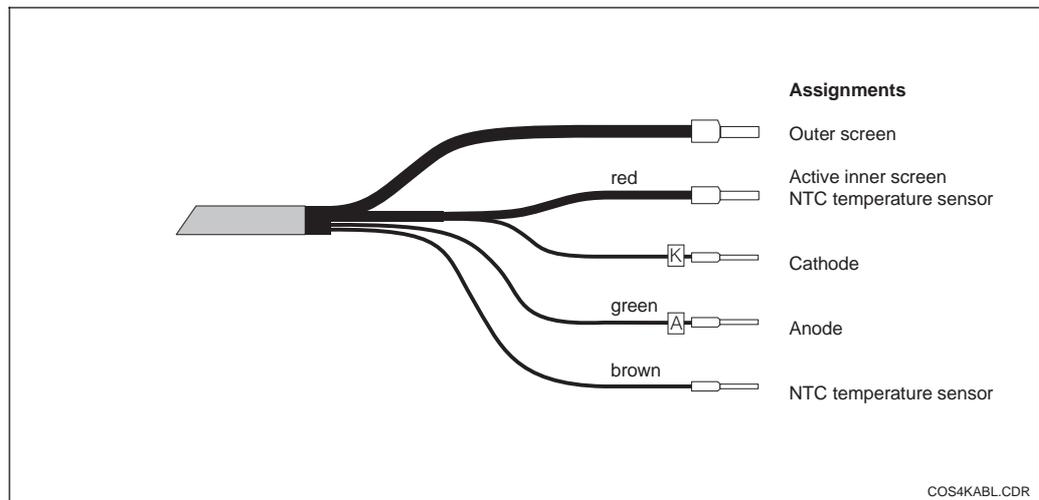
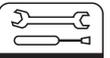
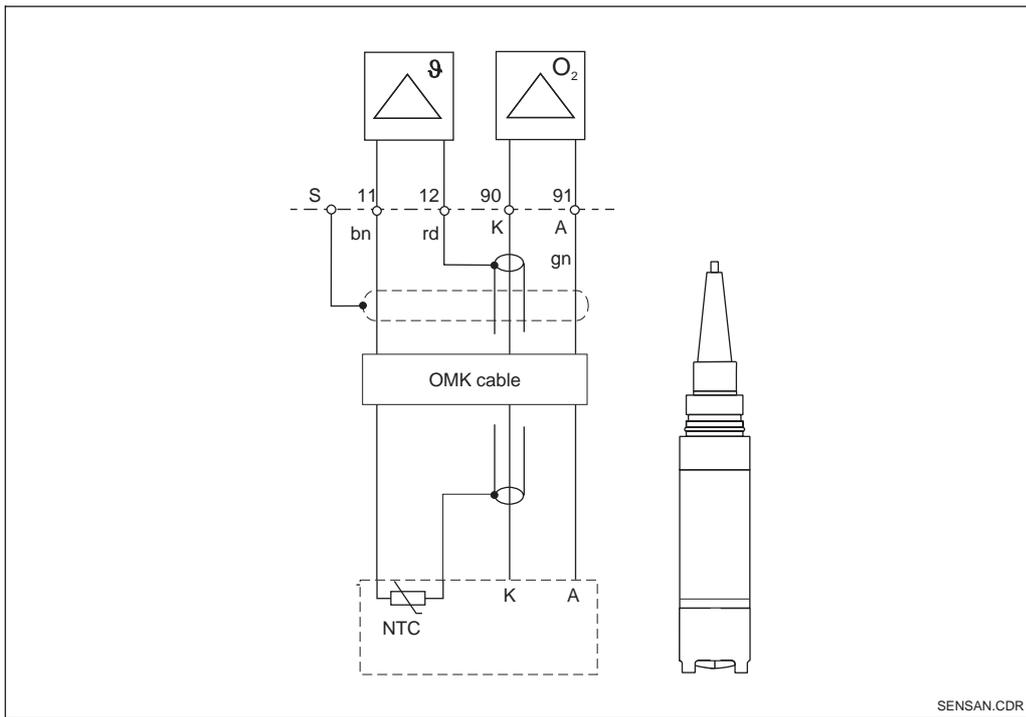


Fig. 3.6 Structure of special measuring cable OMK



Connection example



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Fig. 3.7 Connection of sensor OOS 4 / OOS 4HD