

Troubleshoot DO sensor

6 What to do if ...

Error symptom	Cause	Remedy
The sensor is in the air and the display shows 0.0 mg/l or 0 % O ₂	<ul style="list-style-type: none">- No connection between measuring instrument and sensor- No electrolyte in the membrane head- Cable defective	<ul style="list-style-type: none">- Check connection between measuring instrument and sensor- Replace and refill the membrane cap (see section 5.3)- Return the sensor
The sensor cannot be calibrated	<ul style="list-style-type: none">- Contaminated membrane head- Electrolyte depleted	<ul style="list-style-type: none">- Replace and refill the membrane cap (see section 5.3)Subsequently, wait for 30 to 50 min and recalibrate.
The sensor still cannot be calibrated after changing the electrolyte and membrane head	<ul style="list-style-type: none">- Contaminated electrodes or sensor toxification	<ul style="list-style-type: none">- Clean the electrodes (see section 5.4)
Leak display appears	<ul style="list-style-type: none">- Membrane cap not screwed on tight enough- Hole in the membrane	<ul style="list-style-type: none">- Screw membrane head tighter- Replace and refill the membrane cap (see section 5.3)
Incorrect temperature display	<ul style="list-style-type: none">- Temperature sensor defective	<ul style="list-style-type: none">- Return the sensor
Mechanical damage to the sensor		<ul style="list-style-type: none">- Return the sensor
Meter displays <i>OFL</i> (display range exceeded)	<ul style="list-style-type: none">- Short-circuit between working electrode and counter electrode	<ul style="list-style-type: none">- Clean the electrodes (see section 5.4). If the meter still displays <i>OFL</i>, return the sensor.