

Optical DO Sensor 35660-96 / 35660-98

**DO" is an abbreviation of Dissolved Oxygen.

Warranty and Responsibility

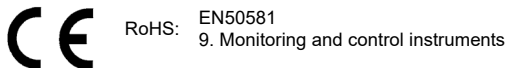
Oakton Instruments warrants DO sensor shall be free from defects in material and workmanship and agrees to repair or replace free of charge, at option of Oakton Instruments, any malfunctioned or damaged product attributable to responsibility of Oakton Instruments, for a period of Three (3) years from the delivery unless otherwise agreed in a written statement. Sensor cap is eligible for a replacement against incipient defects within Two (2) years from the delivery. In any one of the following cases, none of the warranties set forth herein shall be extended:

- Any malfunction or damage attributable to improper operation
- Any malfunction attributable to repair or modification by any person not authorized by Oakton Instruments.
- Any malfunction or damage attributable to the use in an environment not specified in this manual
- Any malfunction or damage attributable to violation of the instructions in this manual or operations in the manner not specified in this manual
- Any malfunction or damage attributable to any cause or causes beyond the reasonable control of Oakton Instruments, such as natural disasters
- Any deterioration in appearance attributable to corrosion, rust, and so on

OAKTON INSTRUMENTS, SHALL NOT BE LIABLE FOR ANY DAMAGES RESULTING FROM ANY MALFUNCTIONS OF THE PRODUCT, ANY ERASURE OF DATA, OR ANY OTHER USES OF THE PRODUCT.

Conformable standards

This equipment conforms to the following standards:



Authorized representative in EU

Cole-Parmer UK
9 Orion Court, Ambuscade Road
Colmworth Business Park
St Neots
Cambridgeshire
PE19 8YX, United Kingdom
Phone: +44-(0)1480-272279
Fax: +44-(0)1480-212111

Cautions during handling

- Do not allow the sensor to be in contact with any hard surface.
- The surfaces of the sensor cap is covered with fluorescent materials. Do not allow the sensor cap to come in contact with dirt and operate carefully when immersing into a solution.
- Avoid continuous measurements in solutions with strong acids, solutions with strong alkalis and solutions with organic solvents.
- Electromagnetic interferences may cause malfunctions in the DO sensor.

Packaged contents

DO sensor (with sensor cap)	1 pc.
Calibration bottle	1 pc.
Protective guard	1 pc.
Instruction manual	1 copy

Specifications and names of parts

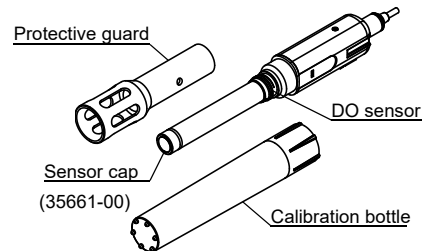
Specifications

Model	35660-96 / 35660-98
Measurement method	Fluorescence quenching
Measurement range	0 to 20 mg/L
Accuracy (DO)	±2 % *
Temperature range	0 to 50 °C
Accuracy (Temperature)	±0.5 °C
Response time	35 s (t:90)
Watted materials	DO sensor: PC/ABS
	Sensor cap: PMMA
	Protective guard: SUS316L
DO sensor size	φ16×200 mm

Lead cable length	2 m (35660-96) 5 m (35660-98)
Waterproof	IP67

*For a calibration performed in saturated water

Names of parts

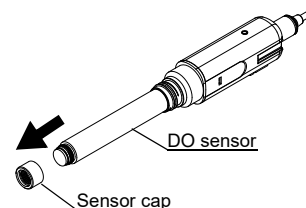


Note

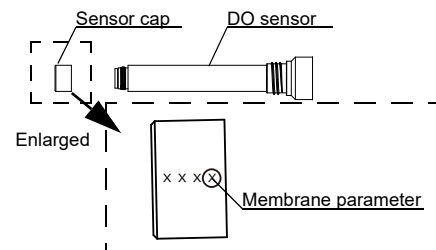
- The sensor cap is delivered equipped with the DO sensor.
- Perform a calibration before any measurement. The calibration method is indicated in the instruction manual of the meter.
- It is recommended to make a calibration in liquids for a better accuracy during measurements.
- Make sure there are no air bubbles visible on the surface of the cap during a measurement.
- After finishing a measurement, clean the sensor by using a soft cloth. Take care not to scratch the sensor cap. After cleaning, rinse the sensor cap with distilled water.
- Store the DO sensor with the sensor cap and the calibration bottle in a cool, dark location. The sponge inside the calibration bottle should be kept wetted.

Sensor cap replacement instruction procedure

1. Remove the old sensor cap from the DO sensor.



2. Tighten the new sensor cap on the DO sensor.
3. Input the membrane parameter indicated on the sensor cap in the meter.



4. Perform calibration. The instruction procedure has been completed.

Note

- The membrane parameter of the sensor cap delivered is set in the meter.
- The setting method of the membrane parameter is indicated in the instruction manual of the meter.