

Thank you for choosing a NIVELCO instrument!

1. INTRODUCTION

1.1. Application

AnaCONT LAD sensors are suitable for highly accurate and continuous measurement of dissolved oxygen in process water, wastewater, surface water, groundwater, and drinking water. These measurements can be used in a wide range of industrial applications such as water management, wastewater treatment, fish farming, etc. The **AnaCONT LAD** can be used as a compatible one-to-one replacement sensor in older models of HACH-LANGE and ProMinent transmitters.

2. ORDER CODES

ANACONT L A D - 4 0 - 0

Type	Code
DO Sensor 10 ppm	1
DO Sensor 20 ppm	2

3. TECHNICAL DATA

3.1. General

Type	LAD-402-0 (20 ppm)	LAD-401-0 (10 ppm)
DO range	0...20 ppm	0...10 ppm
Process temperature	0...+50 °C (0...+122 °F)	
Max. process pressure	1 bar (14.5 psi)	
Min. speed of medium-flow	0.05 m/s (39.4 inch/s)	
Response time	110 sec	22 sec
Accuracy	±0.5 %; 0.1 ppm	±0.5 %; 0.05 ppm
Life-span	2...3 years	
Material/thickness of the membrane	PTFE / 125 µm (0.005")	PTFE / 50 µm (0.002")
Other materials	PBT/PC, gold, silver, silver-chloride, potassium-chloride	PBT/PC, gold, silver, silver-chloride, potassium-chloride
Application area	Fish- and crawfish farms, water conditioning of large aquariums, Controlling of oxygen concentration in water plants, determination of biological conditions in surface water	Potable water production, river monitoring, water treatment sites, controlling of dissolved oxygen level in wastewater plants, determination of biological condition in surface water

AnaCONT

LAD-40□-0 DO sensor

USER'S MANUAL



NIVELCO

Manufacturer:
NIVELCO Process Control Co.

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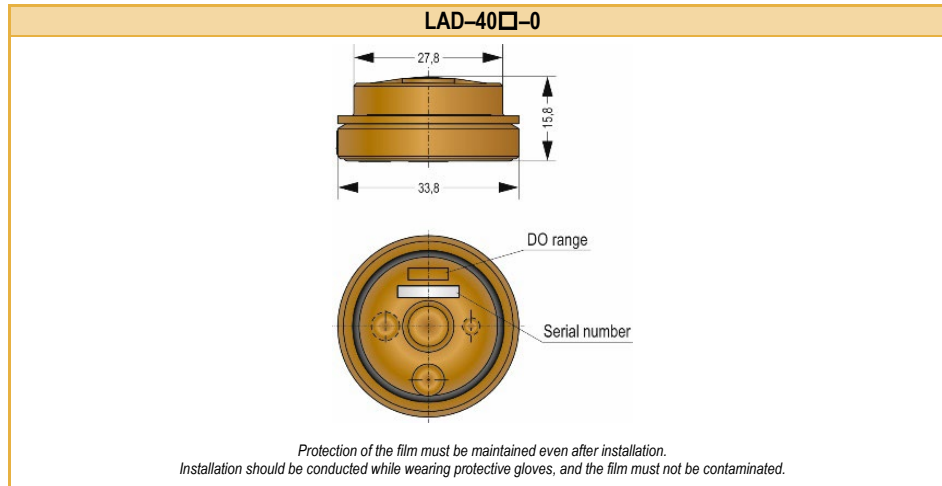
E-mail: sales@nivelco.com ■ www.nivelco.com



3.2. Accessories

- User's manual
- Warranty card
- EU Declaration of Conformity

3.3. Dimensions



4. MAINTENANCE, REPAIR, AND STORAGE CONDITIONS

AnaCONT LAD sensors should be regularly checked, cleaned, calibrated or replaced depending on the application environment.

The device must be cleaned before it is returned for repair, all chemicals must be neutralized, and the device must be disinfected! In addition, the device must be accompanied by a form ([DEVICE-RETURNING FORM, B0407/C](#)) which can be downloaded from our website. In it, the person returning the device declares that the device is free from all contamination and hazardous substances.

All sensors require proper handling – storage, cleaning, calibration – to ensure long electrode life and reliable measurement. Improper handling and lack of maintenance will lead to unreliable measurement results. Refer to the warranty card for warranty information.

4.1. Storage

DO sensors can be stored (under normal storage conditions) for 12 months without shortening their lifecycle. Notes: Never store the sensor in the open air for a long time! Always use the original packaging (the reclosable aluminum jar) for storage! Never touch the membrane of the DO sensor with your hands, with hard, sharp, or pointed objects, or wipe the membrane of the DO sensor with a dirty, oily, or greasy cloth! The membrane is very thin and highly fragile!

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Information is accurate to the best of NIVELCO's knowledge.

We reserve the right to change specifications at any time.