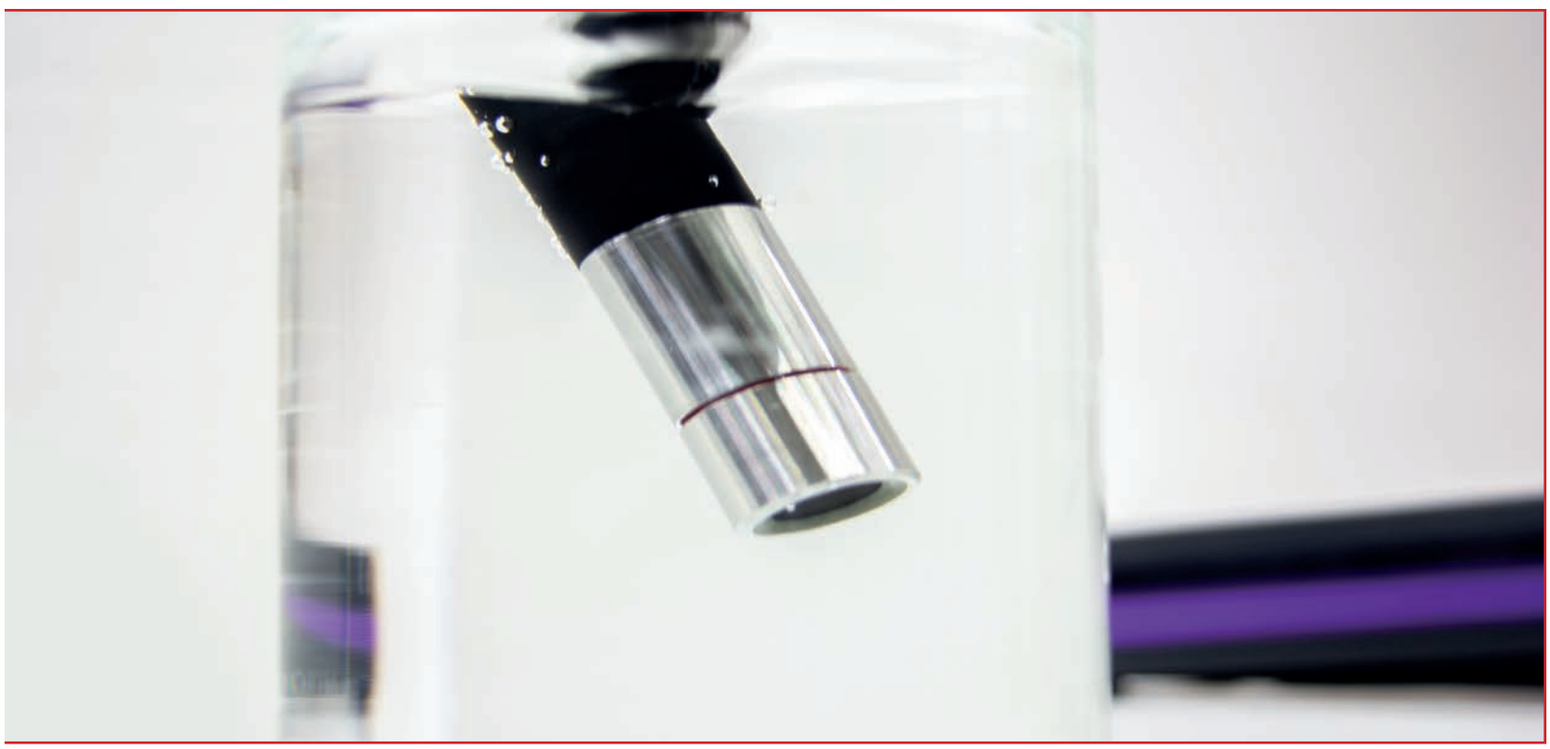
Vio

# OXY 7

$O_2$ - Barometric pressure - Temperature

# OXY 70

$O_2$ - Barometric pressure - Temperature
GLP - Data Logger



MADE IN ITALY

**MADE IN ITALY**

The first electrochemical instrumentation line completely conceived, designed and produced in **Italy** is here.

# OXY 7 Vio

## $O_2$ - Barometric pressure - Temperature

### General features

**Professional portable oximeter** with innovative **backlit high-resolution colour display** for excellent data view in all conditions thanks to the possibility of automatically and manually adjusting the contrast and lighting of the display.

The **guide onboard in setup and calibration** mode allows a simple and intuitive use of the device.

**Automatic calibration up to two points** (0% - 100%).

Automatic compensation of temperature and barometric pressure, manual salinity.

Measurement **stability indicator** and possibility to select 3 stability levels.

All operations are constantly monitored and reported to the operator via the colored **LED** above the display and the **self-diagnosis messages**.

**XS OXY 7 Vio** model works with a **polarographic sensor**, cable lenght **3 m**.

*Polarographic sensor*

*Connections on OXY 7 Vio*

**XS OXY 70 Vio** model uses an **optical sensor**, available in two versions: cable lenght **2 m** or **10 m**.

*Optical sensor*

*Connections on OXY 70 Vio*

## How to order:

| OXY 7 VIO | code |
|---|---|
| **Complete with polarographic sensor** DO7/3MT with temperature sensor integrated, cable lenght 3 m, 2 replacement membranes, refill solution (30ml), 0 Oxygen standard, user manual and carrying case. | 50110202 |
| Only instrument without oxygen sensor, in Ecopack with user manual. | 50110212 |

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# OXY 70 Vio

## $O_2$ - Barometric pressure - Temperature - GLP - Data Logger

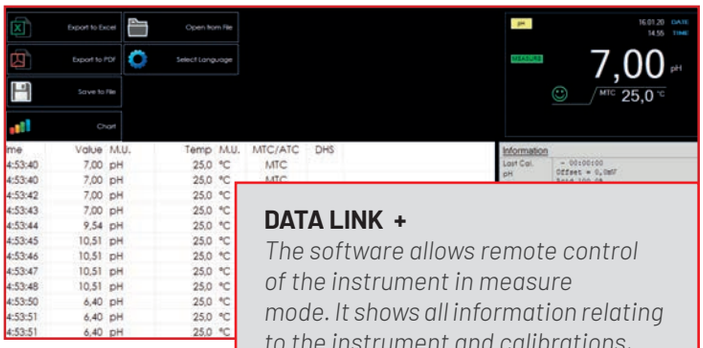
**...only on OXY 70 Vio**

- **GLP functions:** Date and time, recall of calibration data and function "Calibration due".
- **Data logger up to 1000 datas**, automatic and manual, PC connection via micro-USB
- **Data-Link +** software available from website www.xsinstruments.com.
- **Automatic brighteness regulation**, for long battery life.

*Only **6 buttons** to easily manage all the functions of the instrument.*

**A comfortable portable laboratory.**

*The instrument is supplied in a practical kit which includes:*
*0 Oxygen standard, replacement membrane (Oxy 7 Vio), USB cable and power supply (70 Vio series only), user manual and plastic carrying case.*




**DATA LINK +**
*The software allows remote control of the instrument in measure mode. It shows all information relating to the instrument and calibrations, data export at the end of the analysis (also in Excel and PDF format) and the display of measurements in the table and in graphic.*

## How to order:

| OXY 70 VIO | code |
|---|---|
| Complete with optical sensor OXY LDO70, with temperature sensor integrated. **Cable lenght: 2 m** | 50110302 |
| Complete with optical sensor OXY LDO70, with temperature sensor integrated. **Cable lenght: 10 m** | 50110312 |

## Data sheet

| | OXY 7 Vio | OXY 70 Vio |
|---|---|---|
| **$O_2$ dissolved** Measuring range | *0,00...50,0 mg/l* | *0,00...50,0 mg/l* |
| Resolution | *0.01 (< 20,00 mg/l) / 0.1 (> 20,0 mg/l)* | |
| Accuracy | *± 1,5% F.S. (full scale)* | *± 0,2 < 10 mg/l-ppm*<br>*± 0,3 from 10 to 20 mg/l-ppm*<br>*± 5% > 20 mg/l-ppm* |
| **$O_2$ saturation** Measuring range | *0,0...199,9 % / 200...400%* | |
| Resolution | *0,1 / 1%* | |
| Accuracy | *± 10%* | |
| Calibration point | *1 or 2 automatic* | |
| Calibration point indication | *Yes* | |
| Calibration report | *Yes* | |
| **Barometric pressure** Measuring range | *0...1100 mbar* | |
| Resolution | *1 mbar* | |
| Accuracy | *± 0,5%* | |
| Pressure automatic compensation | *Yes* | |
| **Temperature** Measuring range | *-10,0...110,0 °C* | |
| Resolution | *± 0,1°C* | |
| Accuracy | *± 0,5°C* | |
| Temperature compensation | *Yes, only automatic* | |
| Salinity compensation | *Yes, manual* | |
| **System** : GLP | - | *Yes* |
| Calibration due | - | *Yes* |
| Internal memory | - | *1000 Data* |
| Display | *High definition backlit colour LCD* | |
| Brighteness adjustment | *Manual* | *Automatic* |
| IP protection | *IP 57* | |
| Output | - | *Micro USB* |
| Power | *3 batteries AA 1,5 V / Power supply 5 V (OXY 70 Vio)* | |
| Working conditions | *T= 0 ... +45 °C / H = < 95 %* | |
| Dimensions / Weight | 185 x 85 x 45 mm / 400 g | |

*Conductivity meter and Multiparameter*

*IP 67 case - optional*
cod. 50010972

| Code | Description |
|---|---|
| 50010342 | **Optical sensor** for OXY 70, with temperature sensor integrated. **Cable lenght: 2 meters** |
| 50010352 | **Optical sensor** for OXY 70, with temperature sensor integrated. **Cable lenght: 10 meters** |
| 50010362 | Replacement membrane for **Optical sensor** |
| 50010242 | **Polarographic sensor,** with temperature sensor integrated, cable lenght 3 m, 2 replacement membranes, refill solution (30ml) |
| 50010252 | Kit of 2 replacement membranes for **polarographic sensor** |
| 50010262 | Refill solution for **polarographic sensor** |

WARRANTY 5 YEARS

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GIORGIO·BORMAC s.r.l.

Distributed by:

Vio Oxy 7/70_V1.0-ENG_01/2020