

## Specification Datasheet - 8010020

Divesoft s.r.o.

type 22D Oxygen Sensor



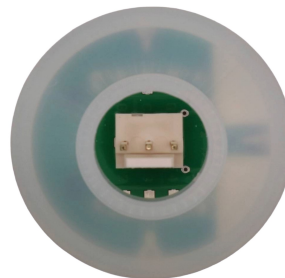
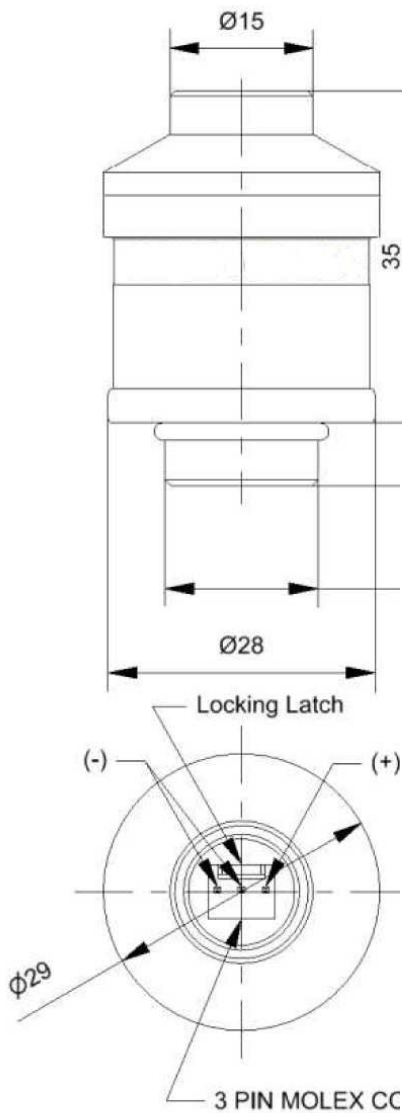
v1.4  
6<sup>th</sup> April 2026

## Specifications

|   |   |
|---|---|
| <b>VST part number</b>                      | 8010020   |
| <b>OEM model number</b>                     | Type 22D Oxygen Sensor, P/N 3092  |
| <b>Initial output signal in ambient air</b> | 9 – 13 mV   |
| <b>Output connector</b>                     | 3 pin Molex   |
| <b>Input</b>                                | Threaded M16 x 1mm  |
| <b>Input O ring</b>                         | Yes   |
| <b>Range</b>                                | 0 – 100% oxygen   |
| <b>Pressure range</b>                       | 600 to 2500 mbar  |
| <b>Repeatability</b>                        | <1% volume oxygen at constant temperature and pressure  |
| <b>Linearity error</b>                      | 0.1 to 1.0 bar < 3% relative<br>0.1 to 2.5 bar < 5% relative<br>(at ppO <sub>2</sub> > 1.0 bar after 1 hour equilibration time) |
| <b>Warm up time</b>                         | < 30 minutes after sensor installed   |
| <b>Zero offset voltage</b>                  | < 0.5% oxygen reading in 100% nitrogen @ 25 °C after 36 seconds   |
| <b>Cross interference</b>                   | < 0.5% volume oxygen response to 5% CO <sub>2</sub> balance N <sub>2</sub>  |
| <b>Response time</b>                        | < 5 s for 90% of final value.   |
| <b>Operating humidity</b>                   | 0 – 99% R.H. (non-condensing).  |
| <b>Influence of humidity</b>                | - 0.03% relative per % R.H. at 25 °C.   |
| <b>Influence of mechanical shock</b>        | < 1% after fall from 1m   |
| <b>Operating temperature range</b>          | 0 – 50 °C   |
| <b>Storage temperature</b>                  | -20 to +50 °C   |
| <b>Recommended storage temperature</b>      | +5 to +15 °C  |
| <b>Temperature compensation</b>             | Integrated NTC network  |
| <b>Temperature compensation error</b>       | 0 °C to 50 °C, 5% relative error  |
| <b>Nominal sensor life</b>                  | ≥ 500,000 % oxygen hours  |
| <b>Long term output drift</b>               | < 1% volume oxygen per month, typically < -15% over sensor lifetime.  |
| <b>Shelf life</b>                           | 24 months   |
| <b>Load required</b>                        | ≥ 10 K Ohms   |
| <b>Input - membrane protection grille</b>   | No  |
| <b>Input - hydrophobic membrane</b>         | Yes   |
| <b>Conformal coating on PCB</b>             | Yes   |
| <b>Pressure equalization - PCB</b>          | Yes   |
| <b>Pressure equalization - output cap</b>   | None  |
| <b>Weight</b>                               | 25 g  |
| <b>Flow diverter</b>                        | No  |
| <b>Packaging</b>                            | Gas barrier bag - transparent   |
| <b>Warranty period</b>                      | 12 months from date of sales invoice  |

All specifications are applicable at standard conditions: 1013 mbar, 25 °C dry ambient air.

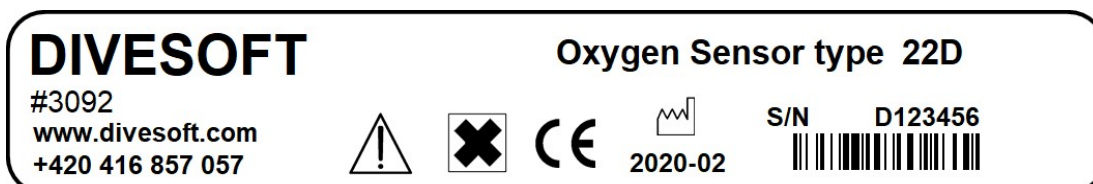
## Drawings/images



**Labelling**

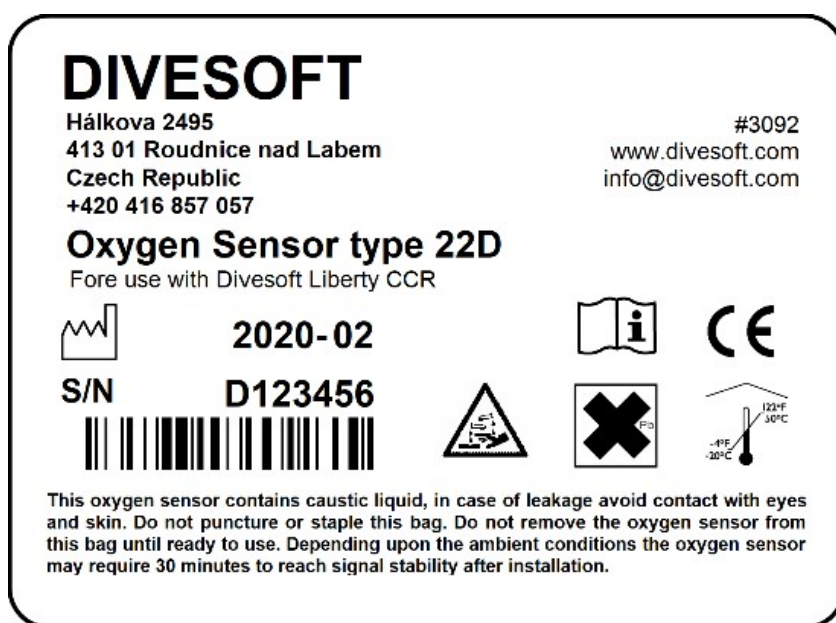
Oxygen sensor label: 90.0mm x 15.0mm

White vinyl label, text & graphics – black



Gas barrier bag label: 63.5mm x 46.6mm

White label, text & graphics – black



Serial number prefix: D