



# BOD Sensor

## Biochemical Oxygen Demand

Precise and Compact BOD Sensor System



# Intuitive and Reliable BOD Sensor

BOD (Biochemical Oxygen Demand) is a chemical procedure for determining the amount of dissolved oxygen needed by aerobic biological microorganisms in water. BOD determination is widely used as an indication of the organic quality of water and the degree of organic pollution of water.

- Automatically stores BOD values at 24-hour intervals with direct readout in mg/l (ppm)
- Measurement on scales of 90, 250, 600, 999 and 4000 ppm BOD  
Higher values can be measured by diluting the sample
- Enables analysis to continue over the weekend
- Results directly readable at any time, even after five days
- Compact stirring stations



## INSTRUMENT - CODE

|                             |                  |                   |
|-----------------------------|------------------|-------------------|
| <b>BOD Sensor</b>           | -                | <b>F102B0133</b>  |
| <b>BOD Sensor Set</b>       | -                | <b>F102B0134</b>  |
| <b>BOD Sensor System 6</b>  | 230 V / 50-60 Hz | <b>SA10200136</b> |
| <b>BOD Sensor System 6</b>  | 115 V / 60 Hz    | <b>SA10210136</b> |
| <b>BOD Sensor System 10</b> | 230 V / 50-60 Hz | <b>SA10200137</b> |
| <b>BOD Sensor System 10</b> | 115 V / 60 Hz    | <b>SA10210137</b> |

## TECHNICAL DATA

|                              | <b>BOD SENSOR</b>                                         | <b>BOD SENSOR SET</b>                                     | <b>BOD SENSOR SYSTEM 6</b>                                                         | <b>BOD SENSOR SYSTEM 10</b>                                                        |
|------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Number of sensors including  | 1                                                         | 1                                                         | 6                                                                                  | 10                                                                                 |
| Sensor display               | 3-digit LED display                                       | 3-digit LED display                                       | 3-digit LED display                                                                | 3-digit LED display                                                                |
| Bod measurement              | mg/l (ppm) directly on the display                        | mg/l (ppm) directly on the display                        | mg/l (ppm) directly on the display                                                 | mg/l (ppm) directly on the display                                                 |
| Test typology                | BOD                                                       | BOD                                                       | BOD                                                                                | BOD                                                                                |
| Bod scales                   | 90, 250, 600, 999, 4000 ppm, Higher values after dilution | 90, 250, 600, 999, 4000 ppm, Higher values after dilution | 90, 250, 600, 999, 4000 ppm, Higher values after dilution                          | 90, 250, 600, 999, 4000 ppm, Higher values after dilution                          |
| Bottle volumes               | -                                                         | 500 ml                                                    | 500 ml                                                                             | 500 ml                                                                             |
| Data storage                 | BOD values at 24h intervals                               | BOD values at 24h intervals                               | BOD values at 24h intervals                                                        | BOD values at 24h intervals                                                        |
| Sensor construction material | Technopolymer                                             | Technopolymer                                             | Technopolymer                                                                      | Technopolymer                                                                      |
| Sensor power                 | -                                                         | -                                                         | 2 W                                                                                | 2 W                                                                                |
| Sensor battery type          | CR 2430                                                   | CR 2430                                                   | CR 2430                                                                            | CR 2430                                                                            |
| Power supply                 | 2x3 V lithium batteries                                   | 2x3V lithium batteries                                    | Sensors: 2x3V lithium batteries<br>Stirring Station: 230V / 50-60Hz or 115V / 60Hz | Sensors: 2x3V lithium batteries<br>Stirring Station: 230V / 50-60Hz or 115V / 60Hz |
| Dimensions (wxhxd)           | 50x70x70 mm                                               | 75x230x75 mm                                              | 270x300x185 mm                                                                     | 432x300x165 mm                                                                     |
| Weight                       | 0,08 kg                                                   | 0,4 kg                                                    | 2,3 Kg                                                                             | 3 Kg                                                                               |
| Safety class                 | IEC/EN61010-1                                             | IEC/EN61010-1                                             | IEC/EN61010-1                                                                      | IEC/EN61010-1                                                                      |
| Sensor protection degree     | IP 54-EN 60529                                            | IP 54-EN 60529                                            | IP 54-EN 60529                                                                     | IP 54-EN 60529                                                                     |



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