



# 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	4-digit LED display	4-digit LED display	4-digit LED display	4-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 Stirring Station: 230V / 50-60Hz or 115V / 60Hz	Sensors: 2x3V lithium batteries 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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