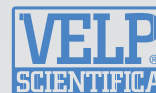


BOD SENSOR



The **BOD Sensor Set** is a ready-to-use solution consisting of a BOD Sensor, a dark glass bottle, an alkali holder to absorb the carbon dioxide and a stirring bar.

This simple configuration was designed to meet the demands of those laboratories that carry out **individual BOD analysis only**.

The BOD Sensor Set is designed for use with the VELP MST stirrer (Code No F203A0160).

It can also come as a package in the **BOD Sensor System 6 or 10** configuration, including a 6- or 10-position stirring station with BOD Sensors, dark glass bottles, alkali holders for absorbing the carbon dioxide and stirring bars.

The **6-position Stirring Station** is extremely **simple to handle** and the VELP stirring quality is guaranteed. The **space saving footprint** means that up to 5 stirring stations for a total of 30 samples can be placed in a VELP incubator (FOC 225E or FOC 225I) simultaneously.

Measurement is available on 4 different scales - 90, 250, 600 and 999 ppm BOD. Higher values can be measured by diluting the sample.

INSTRUMENT	POWER SUPPLY	CODE No
BOD Sensor	-	F102B0133
BOD Sensor Set	-	F102B0134
BOD Sensor System 6	230 V / 50 Hz	S10220136
BOD Sensor System 6	230 V / 60 Hz	S10230136
BOD Sensor System 6	115 V / 60 Hz	S10240136
BOD Sensor System 10	230 V / 50 Hz	S10220137
BOD Sensor System 10	230 V / 60 Hz	S10230137
BOD Sensor System 10	115 V / 60 Hz	S10240137



The **BOD Sensor** is the **mercury-free** and **reliable** solution for BOD determination.

Easy to handle, quick and easy to read. A microprocessor-controlled pressure transducer transfers the BOD value directly to the display: results are displayed **directly in mg/l** with **no need for further calculation** and are stored automatically in the BOD Sensor. Manufactured premium materials, it automatically stores 5 BOD measurements at 24-hour intervals meaning that analysis can continue over the weekend.

The **BOD value** can also be obtained directly from the **display at any time**, even after five days.



BOD EVO SENSOR SYSTEM 6

The **BOD EVO Sensor** is the **unique** and **revolutionary wireless sensor**, able to transfer data to the dedicated software **BODSoft™**.

Mercury-free and intuitive, BOD Sensor ensures an **outstanding reliability** as there is **no need to open the door of the incubator** thus eliminating the risk of internal temperature variations.

BOD Sensor has an **extremely compact** profile and is **easy to handle**.

The sensor measures the BOD value **directly in mg/l** with no need of further calculation and the results are immediately sent to the PC. Real time monitoring on the sensor display is still possible.

Manufactured using the most modern and advanced construction techniques, the BOD Sensor fits directly on the bottle containing the sample.

Measurement is available on 4 different scales - 90, 250, 600 and 999 ppm BOD. Higher values can be measured by diluting the sample.

It comes as a package in the **BOD EVO Sensor System 6** configuration, including the 6-position stirring station with BOD Sensors, dark glass bottles, alkali holders for absorbing carbon dioxide and stirring bars.

The **Stirring Station** is extremely **simple to handle** and the VELP stirring quality is guaranteed. The **space saving footprint** means that up to 5 stirring stations for a total of 30 samples can be placed in a VELP incubator (FOC 225E or FOC 225I) simultaneously.

INSTRUMENT	POWER SUPPLY	CODE No
BOD EVO Sensor	-	F102B0143
BOD EVO Sensor System 6	230 V / 50 Hz	S10220156
BOD EVO Sensor System 6	230 V / 60 Hz	S10230156
BOD EVO Sensor System 6	115 V / 60 Hz	S10240156
BOD EVO Sensor System 6*	230 V / 50 Hz	S10220146
BOD EVO Sensor System 6*	230 V / 60 Hz	S10230146
BOD EVO Sensor System 6*	115 V / 60 Hz	S10240146

* including Wireless Databox™, BODSoft™ and cable



BOD EVO transfers the BOD value to the **Wireless Databox™** automatically.

The results are shown through the user friendly **BODSoft™**.

An innovative solution to simplify BOD investigations!



Wireless DataBox™

The **exclusive wireless data transmission** from the BOD EVO Sensor to the **Wireless DataBox™** can be set at selected intervals ranging from 30 minutes to 24 hours in the case of BOD₅ and from 2 to 24 hours in the case of BOD_{ultimate}. The BOD EVO Sensor automatically stores the most recent values. Data transmission is ensured even when the Wireless DataBox™ is not connected to the PC. The Wireless DataBox™ can store unlimited results for up to 80 samples.



BODSoft™



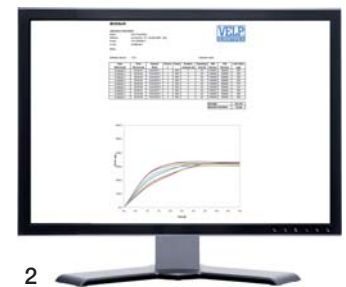
The **BODSoft™** is **extremely intuitive** and **easy to use** right from the start.

1...BEFORE AND DURING THE ANALYSIS

All the most important info is **clearly displayed** during analysis, including the status of the sensor battery. An **unlimited database** shows all the completed and active analyses, with a **real time graph**.

2...AFTER THE ANALYSIS

At the end of the analysis, **customized test reports** can be created along with **results comparison**. Results are stored into databases and can be exported in .xls, .txt and .csv format to PC or LIMS.



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GENERAL FEATURES AND PERFORMANCE

	Traditional with mercury	Innovative, mercury-free manometric with pressure sensor				
	BMS 6	BOD Sensor Set	BOD Sensor System 6 and 10	BOD EVO Sensor System 6		
ANALYSIS	BOD ₅ and BOD _{ultimate}	BOD ₅ and BOD _{ultimate}	BOD ₅ and BOD _{ultimate}	BOD ₅ and BOD _{ultimate}		
REAL TIME DATA READING mg/l (ppm)	On board	On display	On display	On display		
PC DATA READING mg/l (ppm)				•		
DATA STORAGE	BOD ₅	Every 24 hours	Every 24 hours	Every 30 min/1/2/4/6/8/12/24 hours		
	BOD _{ultimate}	-	-	Every 2/4/6/8/12/24 hours		
SCALES	ppm BOD	90, 250, 600, 999	90, 250, 600, 999	90, 250, 600, 999		
SUPPLIED WITH	SENSOR	1	6	10	6 EVO	
	DARK GLASS BOTTLE	6	6	10	6	
	ALKALI HOLDER	6	6	10	6	
	STIRRING BAR	6	6	10	6	
	STIRRING STATION	6-place	6-place	10-place	6-place	
DIMENSIONS (WxHxD) mm	350x360x210	75x230x75	350x300x150	432x300x165	350x300x150	
	(in)	(13.8x14.2x8.3)	(3.0x9.3x3.0)	(13.8x11.8x6.0)	(17.0x11.8x6.5)	(13.8x11.8x6.0)
WEIGHT Kg (lb)	7 (15.4)	0.4 (0.9)	2.3 (5.1)	3 (6.6)	2.3 (5.1)	
POWER SUPPLY	115 or 230 V	-	115 or 230 V	115 or 230 V	115 or 230 V	
POWER	2 W	2x3 V batteries	2 W	2 W	2 W	

OPTIONAL ACCESSORIES

CODE No

BOD Sensor Check	A00000135 *
Control Test Tablets, 8 pcs/box	A00000136

OPTIONAL ACCESSORIES

CODE No

Multi-socket extension cable	A00000221
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* for BOD Sensor Set, BOD Sensor Systems 6 and 10 and BOD EVO Sensor System 6