

BOD Merc-Free Analysis Sensor



EN15-710



Innovative electronic pressure measuring system for BOD determinations using manometric technique.

- Micro-processor controlled
- Mercury Free
- Ergonomic sensor design for simple use, reading and data retrieval
- Inductive stirring mechanism

How the Merc-Free system works...

The Merc-Free instrument is pushed over the BOD bottle having first placed two NaOH tablets into the special bung. The reaction of the tablets with the air vapour causes an increase in pressure which is measured by the instrument and converted into mg/l on the display.

Merc-Free Sensor System 6 and 10

BOD Sensor System 6, a complete package for 6 tests, consisting of a 6-position stirring station with BOD Sensors, dark glass bottles, alkali holders and stirring bars.

BOD Sensor System 6 (wireless), a complete package for 6 tests as above but includes a wireless system for instant PC download of the BOD values.

BOD Sensor System 10, a complete package for 10 tests, consisting of a 10-position stirring station with BOD Sensors, dark glass bottles, alkali holders and stirring bars.

Specification	Standard Sensor System	Wireless Sensor System
Measurement Principle	Electronic pressure probe	
Electronic protection	IP54	
Display	digits 3 LED	
Power Supply	2 x lithium batteries	
Safety class	3IEC 1010	
Bottle capacity	500ml	
Power	115v or 230vAC, 50-60Hz	
Weight, kg	2.3	
Dimensions (cm) (W x H x D)	35 x 30 x 15	27 x 19 x 30
Performance		
Memorised Data	5 BOD values at 24hr intervals	Every 30mins / 2 / 4 / 6 / 8 / 12 / 24hrs Every 2 / 4 / 6 / 8 / 12 / 24hrs for longer analysis
Reading value	mg/l(ppm) directly on the display	
BOD Values	Directly on the display at anytime also after the standard 5 days period	Automatically transferred to wireless databox and displayed by software
BOD last determination	Possible	

Catalogue No	Description
EN15-706	BOD Sensor System 6 (Standard)
EN15-708	BOD Sensor System 10 (Standard)
EN15-710	BOD Sensor System 6 (Wireless) includes wireless databox, software & cable
EN15-712	BOD Control Tablets (pkt of 8)