

## General Information

Manufacturer	Osworld Scientific Equipments Pvt. Ltd, Mumbai, India
Product	Bacteriological Incubator
Brand	Osworld
HSN code	84198960
Model	OBI
Type	Vertical, front opening, complete assembled unit, plug to start.

## Technical Specifications

Construction	Double wall with insulation provided with outer stainless steel metal door and inner glass viewing door. For GMP Model Working chamber made of Stainless steel 304 grade mirror finish. Outer cabinet S.S 304 grade dull matt finish. With IQ, OQ and PQ documentation. For Standard Model Working chamber made of SS 304 grade and Outer cabinet mild steel powder coated.
Temperature Control	Microprocessor based PID control.
Temperature range / resolution	: Ambient +5°C to 60.0°C / 0.1°C
Temperature accuracy / uniformity	: ±0.5°C / +0.1°C
Heating	U' Shaped Nichrome wire heater in SS sheathing
Temperature sensor	PT100 RTD Class 'A'.
Temperature sensor accuracy	: ±0.25°C
Temperature Display	Digital LED 3½ digit.
Insulation	Rock wool
Air circulation	Flange motor with impeller.
Shelf	SS wire mesh heavy duty.
Electrical	230V / 15A / 50 Hz.

## Safety Features

Temperature	High temperature safety cut off.
Electrical	Short circuit protection

## Calibration & Validation Documents

Calibration	Temperature sensor probe calibrated with traceability to ERTL Temperature controller calibrated with traceability to ERTL
Validation Documents	IQ, OQ and PQ documentation and protocols shall be provided with equipment.

## Utilities / Preinstallation Requirement

Power supply	3 pin socket, 15Amps, 230 Volts AC 50 Hz.
Computer requirements (if software ordered)	Windows-compatible computer with a standard keyboard, a pointer input (i.e., a mouse, trackpad, or touchscreen). Microsoft "SQL 2012 free version to be provided by customer. Windows 7 or above. RAM 8 GB, Hard disk – 500 GB. Microsoft office 7 or higher (Professional is recommended) Processor: Intel I3 or higher. Com port for communication.
Internet connectivity	Acrobat reader (to view PDF files). Ethernet / LAN Connectivity. For remote access through Team Viewer / Any Desk.

## Ordering Information with price

Model	Internal size	External size	Door open size cm (DO)	Capacity	Shelves	Weight	Shp Wt	Power		
	W × D × H cm	W × D × H cm		Liters	SS	Kg		VAC,Hz	Amps	KW
OBI 42	35×35×35	53×50×78	58	42	2	50	120	220,50	2	0.5
OBI 90	45×45×45	63×60×88	68	90	2	90	120	220,50	2	0.5
OBI 120	45×45×60	63×60×103	68	120	3	100	120	220,50	2	0.5
OBI 215	60×60×60	78×75×103	83	200	3	100	120	220,50	2	0.5
OBI 320	60×60×90	78×75×133	83	320	3	120	200	220,50	2	0.5
OBI 450	60×60×125	78×105×161	83	450	4	130	210	220,50	4	1
OBI 600	60×80×125	78×125×161	83	600	5	150	230	220,50	4	1
OBI 800	80×80×125	98×125×161	103	800	5	150	230	220,50	4	1
OBI 1000	80×100×125	98×145×161	103	1000	5	180	270	220,50	4	1

## Optional accessories applicable

Sr. No.	Descriptions
a	Data Storage Device (DSD). LED display. Data-logging: (OSLOG- DSD- LCD).
b	OS / SOFTLOG / V20.1 / Regular software with 21 CFR Part 11 features.
c	Digital Timer of 999 minutes with auto heater cut-off for timed cycle.
d	High temperature safety cut-off with audio / visual alarm.
e	Temperature mapping on site consisting of any one 24 hours' cycle, of either loaded or unloaded chamber, at any one temperature process condition will be performed.
	<b>Note:</b> Every OSWORLD Bacteriological Incubator is validated prior to dispatch at the factory. Those customers who do not require on site mapping may request FREE copy of factory mapping cycle data sheet.

## Optional accessories detail

Data Storage Device (DSD)

LED display. Data-logging: (OSLOG- DSD- LCD). LCD 16 x 2 cm. yellow display. Password protected with memory for data storage. Printer connectivity through RS 485 communication. PC connectivity through MODBUS protocol. RTC / date / month settable. Log interval selectable. Print period to and from selectable. Printer Interface facility to 24 column or EPSON 80 Col dot matrix Printer only. (Printer not included in price but optional).

## Optional accessories detail

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OS SOFT Data Logging Software.  
With 21 CFR Part 11 compliant

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Database on SQL Microsoft, free version.  
(SQL download in customer scope).  
"WHO DID WHAT, WHEN". Multiple Level Passwords.  
Multi user level / group passwords (Administrator, Super user, Guest)  
System access to authorized personnel.  
Each user has individual account.  
Minimum password length / Auto log out facility. Password expiry.  
USB Communication with PC.  
Every menu entered is prompted for password and purpose.  
Mean Kinetic Temp. (MKT). Date and time stamp Audit Trail.  
Report, Trends, Graphical user Interface.  
Report of Alarm condition in alarm report, Remark in Alarm.  
Electronic Signature. Unique user ID's and individual passwords.  
Secure data with backup & restore facility.  
Real time and historical trends for analysis.  
Export to PDF for printout.  
Software compatible to Windows 7 and above.

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### Caution!

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This licence software is available with SOFT KEY, once installed on a PC system, it cannot be transferred on to another PC.  
After installation for any reason the PC is changed then a new licence will have to be purchased. (Applicable for both software).

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