PLATE-HOTEL-8

FULLY INCUBATED HOTEL FOR AUTOMATION

Incubated Hotel with 8-plate capacity - accurate, simple, affordable



Accurate

- **Accurate and precise:** designed and manufactured by Okolab, specialists in innovative top-tier environmental control equipment since 2003
- Provides **Heat, CO2**, and **Humidity** for storage of multiple plates for a variety of automated screening workflows
- **Especially suited for automated microscopy** - enables walkaway time and higher throughput for any laboratory imaging system

Simple

- **Reliable:** unique design with 100% mechanical doors - no motorized parts to maintain, reducing the number of breaking points in your automated workflow
- **Compact:** small footprint provides a centralized thermal holding place that fits inside your automation workflow to prevent temperature shock; just the right scale for small-to-medium size screening applications
- **Fast:** direct access for each plate, no wait time

Affordable

- **Simplified software integration:** hotel does not use up a socket in your scheduling software
- **Versatile:** can be integrated with any robotic loader, for scheduled swap-in/out of plates
- **Okolab stands by the quality of our products:** we provide outstanding customer support for the lifetime of the instrument

GET IN TOUCH

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the MICROSCOPE INCUBATION EXPERTS



PLATE-HOTEL-8

TechnicalDatasheet

Features

- 8 slots for ANSI-SLAS culture plates
- Tilting doors (not motorized)
- Access opening for the robotic arm (WxH) 130x38 mm
- AISI 304 stainless steel body shell

Temperature control

Seven heating elements embedded	
Temperature probe	NTC Thermistor
Temperature range	2°C above ambient temperature -40°C
Temperature accuracy	±0.1°C
Temperature step size	0.1°C

Humidity control

Internal water vessel automatically filled from an external tank	
Relative Humidity sensor	Humidity & Temperature Sensor IC
Humidity range Humidity step	75-95% RH at 37°C*
size Humidity accuracy	0.1%
Embedded Suction pump Water	±2 % RH (±0.3 °C Temperature accuracy)
tank suggested capacity	Peristaltic pump 24V DC, 315 RPM
	1L

** RH range depends on the temperature of the external environment.*

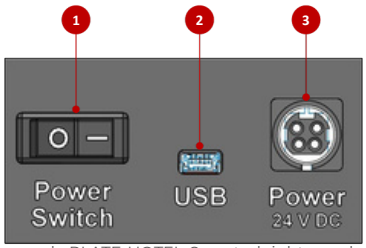
CO2 control

CO2 sensor	Non-Dispersive InfraRed (NDIR)
CO2 range	0-10%
CO2 accuracy	±0.1 %**
CO2 step size	0.1 %
CO2 inlet pressure	1 barg
Outlet pressure	ambient pressure

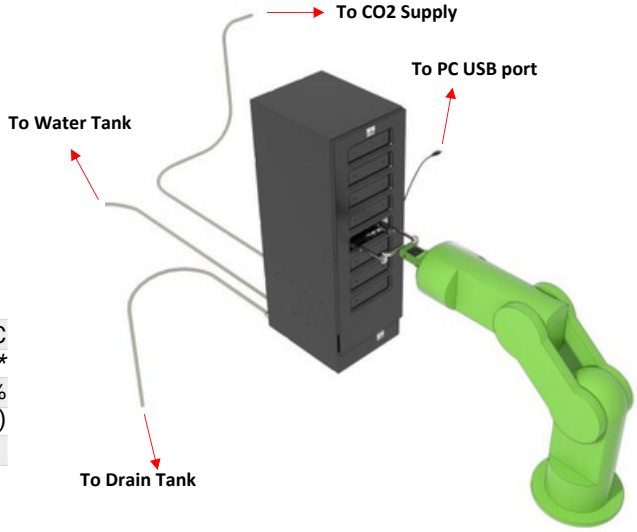
***In the reading range 4% - 7%. Typical reference conditions are 25°C, 1013 mbar, 50% RH.*

Connection

1	**Powerswitch**	On/off button
2	**USB port**	Mini USB port
3	**Power input**	4 Poles Mini DIN female connector. To connect to power adapter
4	**CO2 input**	Push to fit connector (6mm OD) for polyurethane or Teflon semirigid tube
5	**Water input**	Connector for silicone tube (3mm ID)
6	**Water drain**	Push to fit connector (10mm OD) for polyurethane semirigid tube



b. PLATE-HOTEL-8 control right panel



a. PLATE-HOTEL-8 overview(robotic arm not supplied).

Power supply

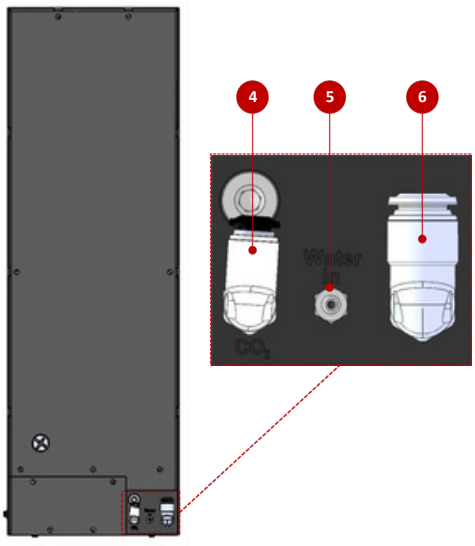
Supply Voltage	24V-DC
Power consumption	75 W max

External Environment Requirements – Indoor Use

Temperature range	20°C - 35°C
Relative Humidity	40 – 70%
Barometric Pressure	800 – 1200 mbar

Physical Characteristics

Dimensions (LxWxH)	220x280x661 mm
Weight	20 kg



c. PLATE-HOTEL-8 rear panel.

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