Instruction Manual   APCODDG

AQUASOL
DIGITAL

COD DIGESTER
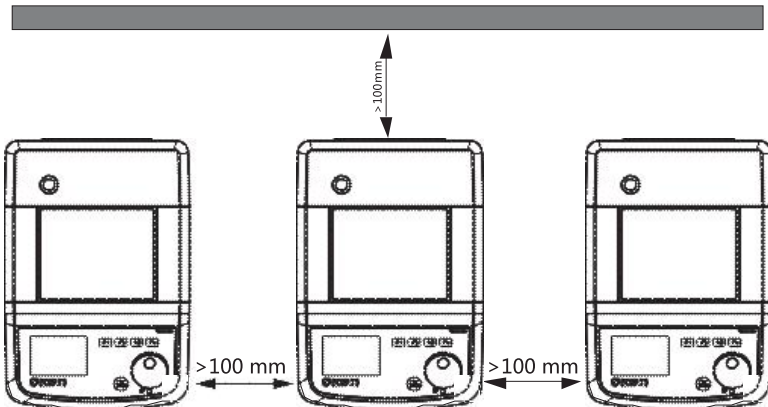## 5 – 150 Deg C

Instructions Before Use

- Read the operating instructions in full before starting up and follow the safety instructions.

- Keep the operating instructions in a place where they can be accessed by everyone.

- Ensure that only trained staff work with the appliance.

- Follow the safety instructions, guidelines, occupational health and safety and accident prevention regulations.

- Socket must be earthed (protective ground contact).

- Before starting the device for the first time, ensure that the connector cable is suitable for the type of socket used and that a safe protective earth connection is assured.

- **Risk of burns!** Exercise caution when touching the housing parts and the heating plate. The heating plate can reach temperatures in excess of 150 °C. Pay attention to the residual heat after switching off.

- The device may not be transported unless it is cold!

- Don't operate the appliance in explosive atmospheres, with hazardous substances or underwater.

- Set up the appliance in a spacious area on an even, stable, clean, non-slip, dry and fireproof surface.

- The Heater must be clean and intact.

- The voltage stated on the product must correspond to the mains voltage.

- The socket for the mains cord must be easily accessible.

- The power supply cable and cables to the external sensors must not be allowed to come into contact with the hot mounting plate.

- Check the appliance and accessories before hand for damage each time you use them. Do not use damaged components.

- **Caution!** Only media whose flashpoint lies above the safety temperature limit of 150 °C may be processed or heated with this device.

- Beware of hazards due to Flammable materials, Combustible media with a low boiling temperature, Incorrect container size

- Over filling of media or Unsafe condition of container.

- Do not heat liquid media except with the block. Never pour liquid media directly on to the heating plate!

- Accessories must be securely attached to the machine and can't come off by themselves.

- Always disconnect the plug before fitting accessories.

- Safe operation is only guaranteed with the accessories described in the "Accessories"chapter.

- The appliance must only be disconnected from the mains supply by pulling out the plug-in power supply unit.

To the protection of the equipment

* The appliance may only be opened by experts.

* Do not cover the device, even partially e.g. with metallic plates or film. This results in over heating.

* Protect the appliance and accessories from bumps and impacts.

* Ensure that the base plate is kept clean.

Installation Layout

Unpacking Box

Please unpack the device carefully and check it for damage. It is important that any transport damage is detected when the device is unpacked.
If necessary, any inventory of the damage should be made immediately (postal service, railway, haulage company). Each single instrument is calibrated before shipment.
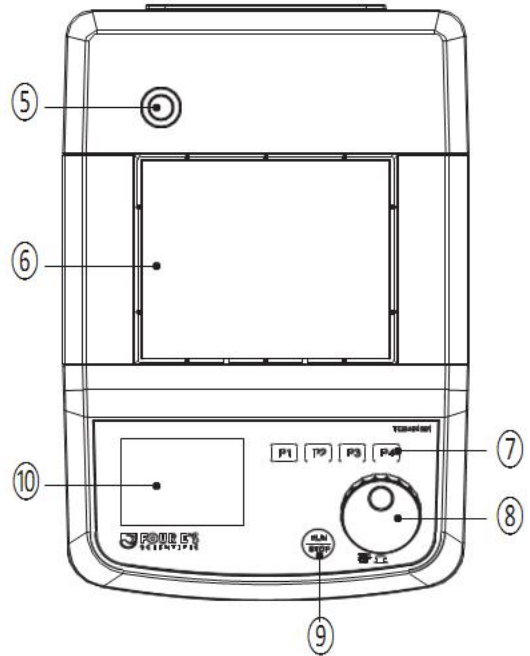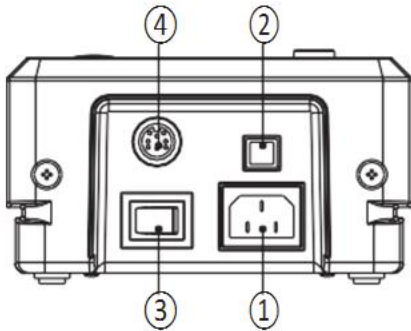
Package contains:

Item	Qty.
Main Unit	1
Power cable	1
Thread handle	1
Heating Block	1
Operating instruction	1

Operation Image

Device Layout

1. Power port	6. Heating Block
2. USB interface	7. Program
3. Power switch	8. "TEMP/TIMER" knob
4. Sensor port	9. "Run/Stop"
5. Threaded hole for support clamp	10. LED Display

Operation Instruction

1) Temperature Setting

The temperature setting can only be workable when the machine is powered on but not when it's working. Press the blue knob "TEMP/TIMER"; the temperature value on the LED display will flash, and then set the temperature by horizontal rotation of the knob.

2) Time Setting

The time setting can only be workable when the machine is powered on but not when it's working. Press the blue knob "TEMP/TIMER" twice; the time value on the LED display will flash, and then set the time by horizontal rotation of the knob.

3) Switch between Fahrenheit Temperature and Celsius Temperature

Switch between the Fahrenheit Temperature and the Celsius Temperature by Pressing P1 and P2 simultaneously.

4) COD Program Operation

a) Short press any P1, P2, P3 or P4 and the machine will be set at for Temperature 150 Deg C and Time 02:00 Hours.

b) Press the RUN key to start heating process an wait till the heater reaches 150 Deg C and enters Holding mode.

c) Now place the COD vial in the heater and heater will start the digestion process.

Note : Once the Heater reaches 150DegC in the heating mode the heater enters Holding mode and timer starts for 02:00 Hours. Kindly ensure the COD vials are placed immediately in the Heater as it enters the holding mode. If the process is missed kindly repeat step a and b.

5) Create a New Program

The system can be used for other digestion processes also and can save 4 programs of the temperature and time.

When the machine is not working set the temperature and time as explained in Step 1 and Step 2 then long press P1, P2, P3 or P4 to save the new data as P1, P2, P3 or P4 respectively.

Error code

If the unit cannot work properly with Error faults, it will show the corresponding error code and beep for warning. Kindly contact us for assistance.

Maintenance and Cleaning

The appliance is subject only to the natural wear and tear of components and their statistical failure rate. Use only appropriate cleansing agents to clean the devices. Please disconnect the main plug and do not allow moisture to get into the appliance when cleaning. Wear the proper protective gloves during cleaning of the devices

Technical Specification

Model	APCODDG
Number of Blocks	12 Holes (16 MM)
Heating Temperature Range	(+)5°C to 150°C
Display	LED
Stability	0.5°C
Heating Material	Aluminum Alloy
Time Range	1 Min - 99H 59Min
Dimensions (W x H x D)	152 x 86 x 190 (MM)
Weight	2 kg
IP Rating	IP 21
Power Consumption	165W
Voltage [V]	240V AC 50 HZ

AQUASOL DIGITAL

APCODDG COD DIGESTER

Warranty Card*

Customer Name/ Address : _____

_____

_____

_____

Dealer Name / Address : _____

_____

_____

_____

Bill No. _____

Date -: _____

Product Code

Serial No

Dealer Stamp & Sign