

COD Reactors *Heating Blocks*

DBR-001N/002N/004N, DRY BATH INCUBATORS

Features:

- ▶ Safer & easier than traditional open reflux method.
- ▶ Save lab top space, power & water consumption.
- ▶ Reduce waste & maximize safety.
- ▶ Unique COD program makes it truly automatic.

For The Digestion Of:

- ▶ COD (150°C)
- ▶ TOC (120°C)
- ▶ Total chromium (100°C)
- ▶ Total nitrogen (100°C)
- ▶ Total phosphate (100°C).

Chemical digestion of the samples is a prerequisite such as: tests, determination of COD, TOC, total phosphate, nitrogen etc.

The required temperature and reaction time are programmed using the membrane keypad on the front of the reactor. When digestion is complete, the reactor automatically switches off & sounds an alarm. DBR-001 COD reactor is designed to meet USEPA 410.4 method. It can be used to digest closed I micro reflux COD vial and other samples which diameter is 16mm.

Further, it is safer and easier than traditional open macro reflux method.

Unique COD program let DBR-001N/002N/004N to be a truly automatic reactor.

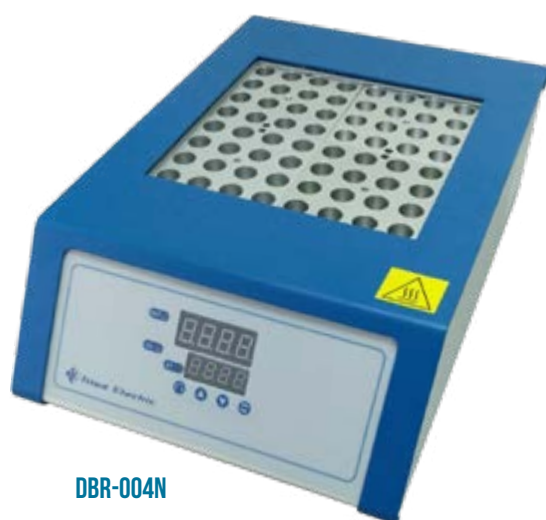
When the reactor is powered on, just click the start/stop button, then it starts to heat to 150°C and keep for 2 hours then stop heating with an audio alarm.

Samples are ready to be measured by colorimeter when they cool down.

DBR-001N/002N COD reactor is compatible with any COD detectors which use 16mm COD vials. In addition to COD program, DBR-001N/002N/004N is a microprocessor controlled block heater, with temperature range from 60°C to 200°C and timer from 0 to 999 minutes or continuous operation.



COD-200
COD Detector



DBR-004N



DBR-001N



DBR-002N

| MODEL | DBR-001N | DBR-002N | DBR-004N |
|----------------|--|-----------------------------------|-----------------------------------|
| Read out | 4 Digital LED of set temperature, set time, process temperature, residual time display | | |
| Timer | 1~999 minutes with audible alarm and automatic shut off or continuous operation | | |
| Accuracy | ±2°C (at 150°C) | | |
| Temperature | 60°C~200°C, adjustable | | |
| Block capacity | 16x16mm Ø sample vials | 32x16mm Ø sample vials | 64x16mm Ø sample vials |
| Structure | Housing: aluminium steel with powder paint coating, Block: Anodized aluminum | | |
| Power | AC110 or AC220V, 50/60Hz, 220Watt | AC110 or AC220V, 50/60Hz, 800Watt | AC110 or AC220V, 50/60Hz, 800Watt |
| Dimensions | W189xH116xD315mm | W290xH116xD315mm | W270xH110xD405mm |
| Weight | Net 4.5kg | Net 5.5kg | Net 6.0kg |