

## COD Reactor



The intelligent multi-parameter COD Digester is a versatile instrument designed for the analysis of COD, total nitrogen, and total phosphorus. It features a large-screen, high-resolution LCD display and offers a range of advanced functions including wide-range parameter adjustments, high intelligence, automatic start timing, and energy efficiency.

### Key Features:

#### Color LCD Display:

- Equipped with a large-screen, high-resolution LCD display.

#### Wide Range of Parameters:

- Digestion temperature and timing can be freely adjusted within a wide range, enhancing versatility.

#### High Intelligence:

- Stores 5 preset digestion programs along with one customizable digestion program.

**Auto Start Timing:**

- Automatically begins timing once the water sample is inserted and the temperature reaches the digestion set point.

**Energy-saving and Power-saving:**

- High thermal insulation performance and automatic heating stop when the preset time is reached.

**Visible Experiment:**

- Comes with a high light-transmitting protective cover, ensuring safety and visibility throughout the experiment.

**Multiple Functions:**

- Includes real-time clock display, quick digestion mode switching, timing function, program upgrade capability, alarm prompts for temperature rise completion and over-temperature, and instrument overheat protection.
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**Specifications:**

- **Model: MSCODR16ASWISS**
- **Heating Speed: Reaches the set temperature of 165°C within 10 minutes**
- **Digestion Quantity: 16 samples**
- **Digestion Capacity: 0-10 mL**
- **Custom Mode: 3 custom programs**
- **Digestion Protection Plate: Prevents burns due to misuse**
- **Digestion Shield: High light transmission integrated safety protection**
- **Electricity: AC 220V/50Hz**
- **Rated Power: 900W**
- **Pre-stored Digestion Program: Six programs including COD, total nitrogen, total phosphorus, hexavalent chromium, and custom digestion programs**
- **Display: 128\*64 LCD screen**
- **Digestion Temperature: 45~300°C (user-settable)**

- Temperature Indication Error:  $\pm 2\%$
- Timing Range: 1 minute to 96 hours