

Thermoreactor mod. ECHO 16

16 position thermoreactor COD with settable temperature and operating time

COD Analysis Thermoreactors ECO 8 ensure a simple and easy programming of time and temperature, the parameters involved in the analysis.

- Electronic temperature control
- Temperature regulation from ambient to 165 °C
- Analysis time can be set from 1 to 999 minutes or continuous
- Processes up to 14 x Ø 16 mm test tubes
- Plus 2 x Ø 22 mm test tubes simultaneously
- LCD countdown display shows the temperature and remaining time
- COD analysis in only 30 minutes at 160 °C



COD Analysis Thermoreactor ECO 16 ensures a **simple and easy programming** of time (from 1 to 999 minutes or continuous) and temperature (from ambient to 165 °C).

Through the **digital display**, it is possible to monitor the test at any time, with the **countdown** constantly shown.

The unit **automatically shuts down** when the analysis time expires, whilst **safety is of primary importance**, as demonstrated by the antisplash cover that protects the user and other samples and the several acoustic and visual signals that report unpleasant situations. Eco 16 has also the **transparent test tube cover** that offers a **constant visual control**.

ECO 16 COD Thermoreactor can be used with 14 small tubes of 16 mm and 2 x 22 mm. The thermoreaction in small test tubes **minimizes reagent consumption** and reduces the required space and equipment to one reactor block that works on several samples at the same time.

Each test set-up is a **self-contained disposable vial**, which is inserted into a heating system, using **small amounts of reagent and sample** and so decreasing both the cost and the waste volume.

ECO 16 is suitable for performing a **short time COD analysis**, in only **30 minutes** with a high thermoreaction temperature (**160 °C**).

ACCESSORIES



10000002 - absorption attachment for condenser ns 29/32 for sludge analysis






CM0091680 - set of 20 glass test tubes with internal Ø 14 mm and external Ø 16 mm



A00001051 - protection bell



CA0091666 - test tube for sample decomposition Ø 22mm, ns 19/26 cone with glass cap for sludge analysis

	CA0091667 - condenser 200 mm type ks with 3-meter polythylene tube for sludge analysis
	CA0091636 - holder for 12 round glass cells
	A00000362 - adapter for probe ø 3mm for dk/dkl/eco

Technical data

CONSTRUCTION MATERIAL:	Epoxy painted metal structure
HOLES NUMBER AND DIAMETER:	14 pos. (Ø 16 mm) and 2 pos. (Ø 22 mm)
SET TEMPERATURE:	display visualization
COUNTDOWN:	display visualization
END OF THE CYCLE:	acoustic signal with automatic switch-off
POWER:	550 W
WEIGHT:	3,8 Kg (8.4 lb)
DIMENSIONS (WXHXD):	168x110x269 mm (6.4x4.3x10.6 in)
SELECTABLE WORKING TEMPERATURES:	from room temperature to 165 °C, resolution 1 °C
SELECTABLE WORKING TIMES:	from 0 to 999 minutes or continuous operation
TEMPERATURE STABILITY:	± 0.5 °C
TEMPERATURE HOMOGENEITY:	± 0.5 °C
TEMPERATURE PRECISION:	± 1 °C
REACHING OF SET TEMPERATURE:	visual signal
COUNTDOWN:	visual signal
END OF CYCLE	acoustic and visual signal
PROBE INTERRUPTION:	acoustic and visual signal
BROKEN PROBE:	acoustic and visual signal
EXCEED TEMPERATURE RANGE:	acoustic and visual signal

Code	Description
V1101126	Thermoreactor mod. ECHO 16 16 position thermoreactor COD with settable temperature and operating time