

ECO series thermoreactors

ECO 16

The ECO 16 thermoreactor allows tests to be run to determine parameters such as COD and nitrogenous and phosphorated compounds. Total safety and reliability conditions are ensured by the test tube cover and safety thermostat.

The reaction time can be set from 1 to 199 minutes or continuous and the programmed temperature is shown on the display (from room temperature to 160°C).

The instrument is equipped with an end-of-cycle acoustic signal and automatic switching off.

The aluminum heating block offers optimum thermal homogeneity at all selected temperatures.

Heating block temperature is controlled by a PID logic microprocessor.



Technical data:

GENERAL FEATURES

Construction material:	Epoxy painted metal structure
Holes number and diameter:	14 with ext. Ø 16mm and 2 holes with ext. 22mm (sludge analysis)
Set temperature:	display visualization
Countdown:	display visualization
End of the cycle:	acoustic signal with automatic switch-off
Power:	550 W
Power supply:	115 V or 230 V / 50-60 Hz
Weight:	3,8 Kg (8.4 lb)
Dimension (WxHxD):	168x110x269 mm (6.4x4.3x10.6 in)

PERFORMANCES

Selectable working temperatures:	from room temperature to 160°, resolution 1°C
Selectable working times:	from 0 to 199 minutes or continuous operation

HEATING BLOCK TECHNICAL DATA

Temperature stability:	± 0,5°C
Temperature homogeneity:	± 0,5°C
Temperature precision:	± 0,5°C
Overtemperature safety	

SIGNALS

Reaching of set temperature:	visual signal
Count-down:	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

Accessories for sludge analysis



Test tube for sample decomposition
22mm external diameter, NS 19/26 cone with glass cap



Condenser 200mm type KS with 3 meters polyethylene tube



Absorption attachment for condenser NS 29/32

Optional Accessories



Set of 20 glass test tubes with internal \varnothing 14 mm and external \varnothing 16 mm



Holder for 12 round glass cells



Safety shield