

LTF 9/12
(loss on ignition)



DESCRIPTION

This kiln is particularly suitable for determining the “loss on ignition” in the laboratory. Weight loss is the difference between the total initial mass and the residue during and after cooking¹. *Alternatively, if necessary, it can become a traditional muffle, if you exclude the hole used by the balance support, acting on a special damper.*

The system involves the use of a precision balance (not included), the connection to a PC (not included) and the use of a software (included) that allows you to:

- programming the cooking curve
- display on graph the cooking curve set, the actual curve made by the oven, the graph the weight loss of the material treated in relation to the cooking curve.

¹ *The determination of weight loss during combustion is a useful process in many technical processes for interpreting the results obtained; it is important, also, for the analysis of sludge and household waste.*

STRUCTURE

The thermal insulation consists of low density refractory bricks and ecological fibers, (non-toxic) in the second wall. The body is double-walled in AISI 316 stainless steel structural sheet. On the back wall of the furnace is placed a chimney drain.

The silent heating is controlled by semiconductor relays. The heating part consists of electrical resistances wire spring-shaped and mounted on ceramic tubes easily removable and protected to avoid any splashes.



**LUMEL
RE 82**

The temperature and the cooking cycle are controlled by a Lumel RE 82 microprocessor programmer. With this type of programmer you can configure and store a maximum of 15 programs each consisting of a maximum of 15 ramps.

TECHNICAL FEATURES									
Mod.	Temp. max °C	Internal dimensions [mm]			External dimensions [mm]			Power kW	V + T
		Width [l]	Depth [p]	Height [h]	Width [L]	Depth [P]	Height [H]		
LTF 9-12	1250	200	300	160	490	600	940	3,6	230

(all data are non-binding, the manufacturer reserves the right to modify them)

The supply includes:

- ceramic support with base inside the kiln (see photo)
- software package

The supply does not include:

- precision balance

