

Furnace Systems with Scale and Software for Determination of Combustion Loss

L 9/11/SW - LT 9/12/SW

This complete system, with an furnace, integrated precision scale, and software, was designed especially for combustion loss determination in the laboratory. The determination of combustion loss is necessary, for instance, when analyzing sludges and household garbage, and is also used in a variety of technical processes for the evaluation of results. The difference between the initial total mass and the combustion residue is the combustion loss. During the process, the software included records both the temperature and the weight loss.

- Tmax 1100 °C or 1200 °C
- Heating from two sides by ceramic heating plates
- Ceramic heating plates with integral heating element which is safeguarded against fumes and splashing, and easy to replace
- Highly durable cured vacuum fiber module lining
- Housing made of sheets of textured stainless steel
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Adjustable working air inlet in the door
- Exhaust air outlet in rear wall of furnace
- Solid state relays provide for lownoise operation
- Delivery includes base, ceramic plunger with base plate in the furnace lining, precision scale and software package
- 4 scales available for different maximum weights and scaling ranges
- Software for documentation of the temperature curve and combustion loss using a PC
- Controls description see page 20

Additional equipment

- Chimney, chimney with fan or catalytic converter
- Over-temperature limiter with manual reset for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the oven and load
- Please see page 12 for more accessories
- Process control and documentation with Controltherm MV software package see page 63

Model flap door	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax ²
		w	d	h		W	D	H				
L 9/11/SW	1100	230	240	170	9	480	550	800	3.0	1-phase	55	75
L 9/12/SW	1200	230	240	170	9	480	550	800	3.0	1-phase	55	90

Model Lift door	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax ²
		w	d	h		W	D	H ¹				
LT 9/11/SW	1100	230	240	170	9	480	550	800+290	3.0	1-phase	55	75
LT 9/12/SW	1200	230	240	170	9	480	550	800+290	3.0	1-phase	55	90

¹Including opened lift door

*Please see page 60 for more information about supply voltage

²If connected at 230 V 1/N/PE resp. 400 V 3/N/PE

Scale type	Readability in g	Weight range in g	Weight of plunger in g	Calibration value in g	Minimum load in g
EW-2200	0,01	2200 incl. plunger	850	0,1	0,5
EW-4200	0,01	4200 incl. plunger	850	0,1	0,5
EW-6200	0,01	6200 incl. plunger	850	-	1,0
EW-12000	0,10	12000 incl. plunger	850	1,0	5,0



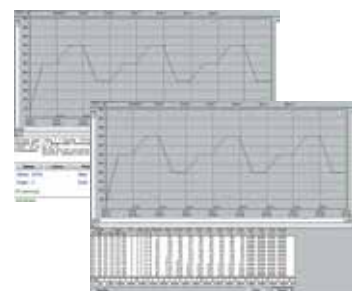
L 9/11/SW



4 scales available for different maximum weights and scaling areas



Over-temperature limiter



Software for documentation of the temperature curve and combustion loss using a PC