

Thermogravimetric Analyzer (TGA)



Manufacturer: SETARAM

Model: Labsys Evo

Sample Type: Solid, Liquid, and Powder

Amount of Sampe Required: 50mg

Technical Details:

Single-phase mains power supply	230 V \pm 10 % 50/60 HZ
Total power input	820 VA
Safety equipment	Furnace and sample safety temperatures are software programmable Water circulation safety device Furnace opening safety device: the furnace cannot be opened when the pressure in the analysis chamber is below 680mbar or when the temperature exceeds 70°C
Gas inlet pressure	3 bars max.
Water inlet pressure	3 bars max.
Ambient operating temperature	5°C to 40°C

Relative humidity	Max. 80% for ambient T up to 31°C, then reducing to 50% for T° of 40°C
Dimension: LxHxD Work position High position	530 x 560 x 580 mm 530 x 760 x 580 mm
Weight	55 kg
Working temperature range	Ambient to 1150°C. (Standard Utilisation) These values can vary according to the sensors, crucibles, and sweeping gas used
Temperature scanning rate	1 to 100°C/min. Note: there can be a risk of wear during intensive use at scanning rates exceeding 50°C/min.
Sample volume According to crucible used	Alumina crucible : 20, 80, 90 and 440 ml Platinum crucible : 20, 80, 100, 380 and 500 ml Aluminium crucible : 80 and 100 ml
Nature of the materials in contact with the gases:	
Gas tubes	PU
Union	Brass/stainless steel
Analysis chamber	Alumina, Dural,
Sensor (depending on type)	Chromel, Constantan, platinum, alumina, platinel, Alemel
Balance	Dural, Stainless steel, platinum, Teflon
Crucible	Aluminium, platinum, alumina
Conformity with standards	
Low tension directive 2006/95/CE	
European Directive 2004/108/CE	
EN61326-1	
EN61326/A1	
EN61326/A2	
EN61010-1 and EN 61010-2-81	