

AC09 – BURNER CALIBRATOR FOR 20 and 125 mm flame height, ASTM D 5207
TECHNICAL DATASHEET

Automatic system to perform the standard practice for confirmation of 20-mm (50-W) and 125-mm (500-W) test flames for small-scale burning tests on plastic materials.

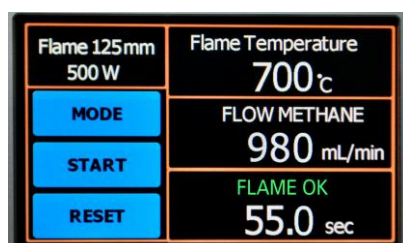
Technical specifications:

Control Unit equipped with the following measuring instruments:

- Mass flow meters:
Gas flow meter
range from 0 to 1020 ml /min 23 °C
0.1 MPa, with a precision of $\pm 1\%$
- Air flow meter
range from 0 to 120 ml /min 23°C, 0.1 MPa,
with a precision of $\pm 1\%$
- Manometer - pressure range from 0 to 0.1 MPa
- Flow control valve for gas and air
- Chronometer to check post combustion time and flame trigger
- Thermometer connected to the thermocouple for flame temperature measurement

General:

- Dimensions: 30 x 38 x 50 cm


Supplied accessories:

- 1 bunsen according to ASTM D 5205 (10-mm dia.)
- Thermal sensors:
 - nr.1 0.5-mm thermocouple type K equipped with copper block of 9 $\varnothing$ mm/9.99 gm (for 125-mm flame)
 - nr.1 0.5-mm thermocouple type K equipped with copper block of 5.5 $\varnothing$ mm/1.75 gm (for 20-mm flame)
- Stand for thermocouple


Reference standard

ASTM D 5207

Code	Description
10091309	AC09 apparatus for burner calibrator

Supplied accessories:

Code	Description
10105403	Thermocouple k with 9-mm sensor
10105405	Thermocouple k with 5.5-mm sensor
10109001	Stand for thermocouple
78003775	Bunsen according to ASTM D 5205

