

Auto-Ignition Temperature of Liquids (semi-automatic)

ASTM E 659

Product group(s): Flash Point, Fuel

User group(s): Fuel, Gasoline

Scope: For the determination of hot- & cool-flame auto-ignition temperatures of a liquid chemical in air at atmospheric pressure in a uniformly heated vessel.



Auto-Ignition Temperature Test Equipment

to be composed of:

- Auto-Ignition Tester
- Strip Chart Recorder
- Hot Air Gun

Technical Data

Temperature range: +200 to +1200 °C (+392 to +2192 °F)

Ignition: auto-ignition

Dimensions (WxDxH):

- Control Unit: 56 x 25 x 36 cm

- Furnace: 38 x 38 x 56 cm

Weight: 33 kg

Main Unit

12-1802	Semi-Automatic Auto-Ignition Tester ASTM E 659
	<p><u>Consisting of:</u> insulated furnace and cylindrical heating chamber with adjustable mirror for safe chamber observation during operation</p> <p>Furnace temperature is digitally displayed and controlled in the range of: +200 to +1200 : 1 °C</p> <p>Thermocouple outputs can be digitally displayed or forwarded to the optional strip chart recorder.</p> <p><u>Supplied with:</u> 4 thermocouples 1 flask (500 ml) made of borosilicate 1 thermocouple tube made of borosilicate 1 syringe, 1 ml</p> <p>Power supply: 220/240 V, 50/60 Hz</p>
12-1803	Strip Chart Recorder, 1 port for recording the thermocouple output during tests
	<p><u>Consisting of:</u> calibrated width 250mm, measuring input Type "K", chart speeds, linearized</p> <p>Power supply: 115/230 V, 50/60 Hz (switchable)</p>
12-1804	Hot Air Gun to exhaust the flask during tests Power supply: 220/240 V, 50/60 Hz

Spare Parts

12-1805 Flasks, made of borosilicate glass, 500 ml, pack of 10

12-1808 Syringe for sample introduction with bent needle, 1 ml

12-1810 Thermocouple - T, for the sample chamber

12-1811 Thermocouple Set
for temperature regulation and control, "T1", "T2", "T3",
pack of 3

Order Guideline

Minimum equipment: 1x 12-1802, 1x 12-1803, 1x 12-1804

Spares (approx. 1 year): 12-1805, 1x 12-1810, 1x 12-1811

Additional requirements: