

FLA 2.1

APPARATUS FOR DETERMINATION OF CONCENTRATION LIMITS

LFL - Lower Flammable Limit of liquids and gases

UFL - Upper Flammable Limit of liquids and gases

Model: FLA 2.1

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STANDARD REFERENCES:

- ASTM E681 - Standard test method for concentration limits of flammability of chemicals (vapors and gases).

SPECIFICATION:

Explosion test vessel	5-liter glass flask 12-liter glass flask
Heating oven	volume 50L
temperature	20-300°C
dimensions (WxDxH)	600x600x700 mm
heating chamber (WxDxH)	395x360x395 mm
glass window	340x340 mm
plastic protective shield	polycarbonate
test temperature range	20-200°C
air fan	built-in
High voltage ignition block	heavy duty design remote ignition switch ignition time adjustment ignition cables
Ignition electrodes	gold plated glass covered (insulation) set of tungsten tips (x10)
Magnetic stirrer	speed: 0-800 rpm PTFE coated stirring bars
Partial pressure gas mixture composition	range: 0-1 bar abs accuracy: 1 mbar
Initial vacuum pressure	5 mbar abs max.
Syringes and needles:	1-10ml - set of syringes accurate 500µl syringe
Gas temperature probe	type K thermocouple installed inside glass flask
Septa assembly	silicone septums, 100 pcs. built-in septa nozzle
Tubes and fittings	set of flexible tubes sample ports stainless steel pipes ball valves quality fittings set of high
Power supply:	110 or 230 VAC
Dimensions:	750 x 600 x 2200 mm
Weight:	80kg
Manuals:	User, Installation and Maintenance



INLET AIR HUMIDITY CONTROL BLOCK:



50% relative humidity (RH) at 23°C.

HIGH VOLTAGE BLOCK:

adjustable spark
duration 0,2 or 0,4 s
remote control
durable housing



The specifications given in this document represents the state of engineering at the time of publishing. We reserve the right to make modifications to above specifications.