

FLAMMABILITY LIMITS APPARATUS

LIMITS OF FLAMABILITY OF CHEMICALS
AT ELEVATED TEMPERATURE AND PRESSURE

Model: FLD-2

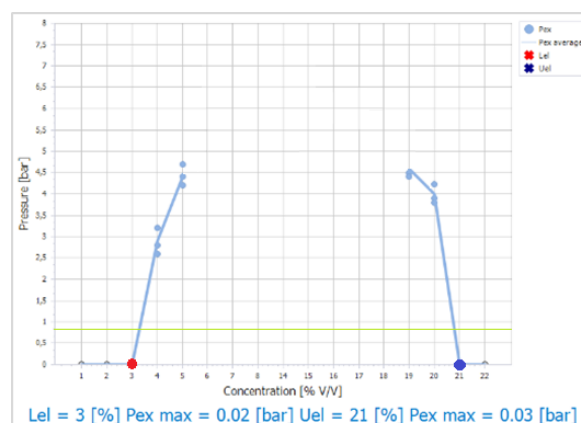
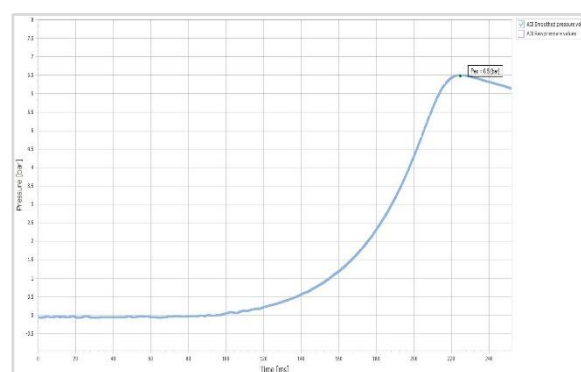
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THE DEVICE COMPLIES WITH THE STANDARDS LISTED BELOW:

- ASTM E918 - "Standard practice for determining limits of flammability of chemicals at elevated temperature and pressure"

TECHNICAL SPECIFICATION:

Measured parameters	Pmax, dp/dt, LEL, UEL
Explosion test vessel	spherical, volume: 5L 316 grade, stainless steel Pmax 210bar (3000psi) inside diameter 212mm
Outer shell	stainless steel
Valves and fittings	1/8" or 1/4"
Heating system	from ambient to 200°C PID temperature control
Custom manufacture options	temperatures up to 400°C test vessel made of Inconel
Ignition system	fuse wire, 500VA
Gas thermocouple	type K
Safety	ignition activation lock rupture disk
Gas mixing system	built-in stirrer
Static pressure sensor	-1/16bar other ranges available on request
Explosion pressure sensor	250 bar max resistant to high temperatures
Vacuum pump	included
Power supply:	110 / 230 VAC



SOFTWARE AND DATA ACQUISITION BLOCK:

Dedicated computer program
PC control and data processing
Visualization of pressure graphs
Automatic noise cancelling
Software procedures: LEL and UEL
Partial pressure calculations
Protocol printing

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