

FLAMMABILITY LIMITS APPARATUS

LIMITS OF FLAMABILITY OF CHEMICALS
AT ELEVATED TEMPERATURE AND PRESSURE

Model: FLD-2

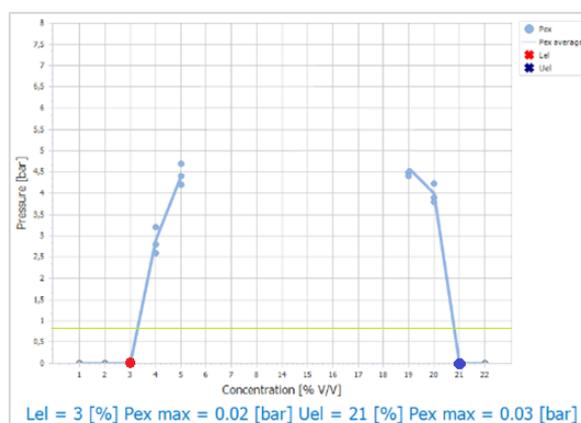
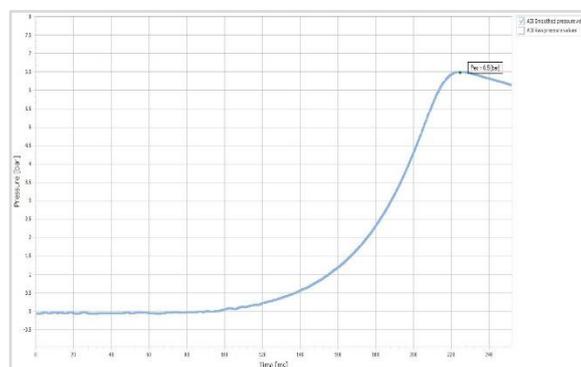
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THE DEVICE COMPLIES WITH THE STANDARDS LISTED BELOW:

- 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