



EMA 3 CEIA

LIQUID EXPLOSIVE DETECTOR

- AUTOMATIC ANALYSIS OF SEALED AND UNSEALED LAGS IN ~ 5 SEC. AND ~ 4 SEC.
- CERTIFIED TO SCREEN LIQUIDS IN CLEAR, COLORED AND OPAQUE PLASTIC AND GLASS, METAL AND METALLIZED CONTAINERS.
- VERY LOW COMBINED FALSE ALARM RATE: < 0.4%.
- NO MAINTENANCE REQUIRED

PRINCIPLE OF OPERATION

When the operator places the bottle in the inspection cavity, its presence is automatically detected and the analysis is performed in ~ 5 seconds.

The fields generated in the inspection cavity are weak in intensity and non-ionizing, therefore completely safe for the liquids and for the operator.

The fields interact with containers and with their content. The entire volume is analyzed in order to verify its conformity with allowed liquids.

After a few seconds, the unit provides an OK or ALARM message without requiring any data interpretation by the operator. Calibration is carried out automatically by the unit.



THE EMA 3 IS A COMPACT DEVICE DESIGNED FOR THE ANALYSIS OF LIQUID CONTAINERS AND THEIR CONTENTS WITH THE GOAL OF DETECTING THE POSSIBLE PRESENCE OF EXPLOSIVE PRECURSORS AND EXPLOSIVE LIQUIDS.

The contents of the bottles are analyzed without the need to open the container because detection is performed using multiple simultaneous technologies.

The structure of the analyzer, extremely robust, reliable and easy to clean, is made of AISI 304 Stainless Steel and anti-friction plastic.

The Analyzer consists of a main body, a control panel and an analysis cavity. In the case of open containers such as cups or thermos, it is possible to perform the analysis using an integrated Type A analyzer (optional), using plastic cups to be inserted into an external probe.

CERTIFICATION AND COMPLIANCE

- Standard 3 certified in accordance with the requirements of CEAC performance for LEDs Type B
- Standard 3 certified in accordance with the requirements of CEAC performance for LEDs Type A
- Meets international standards for safety Electrical and Electro magnetic Compatibility (EMC)



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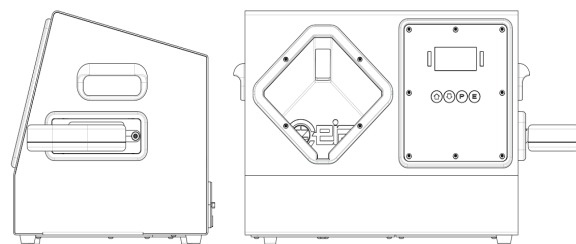


SPECIFICATIONS

Key features	Integrated Type B and Type A Standard 3 certified System		
	Automatic inspection of any type of containers		
	Inspection time - 5 seconds (type B) and - 4 seconds (type A)		
	Minimum operator training required		
Inspection characteristics	Commercial Bottles of any shape and materials including plastic, glass, metal with capacity ranging from 100 ml to 2000 ml		
	Type A sample cups volume: 10 ml		
	Analysis type : automatic		
	Initial Start-up time: 15 sec. max		
Detected substances	Explosive precursors and explosive liquids		
Alarm mode and diagnostic signaling	LIGHT COLOR	DISPLAY MESSAGE	MEANING
	Green	OK	Allowed liquid
	Yellow	Not allowed product	Alarm of medium intensity
	Red	Not allowed product	Alarm of high intensity
Weight	17 kg (type B) / 17.5 kg (type B et type A)		
Dimensions (L X W X H)	470 mm x 317 mm x 330 mm (type B)		
	545mm x 317mm x 330mm (type A)		
Power supply	115/230V- ±15%, 50/60 Hz ±10%, 15W		
Environmental conditions	Operating temperature: 32°F to +104°F (0°C to +40°C)		
	Storage temperature: 14°F to +140°F (-10°C to +60°C)		
	Operating relative humidity: 0 to 95% (without condensation)		
	Storage relative humidity: 0-98%, without condensation		
Type A analyzer (optional)	EMA is designed for the analysis of LAGs in their original container. In case of open containers such as cups and thermos flasks, it is possible to carry out the analysis by means of an optional type A analyzer, using small disposable plastic sample cups. The external probe is installed on the right side of the device. Analysis time: 4 sec		

DIMENSIONS

- 470 mm x 317 mm x 330 mm (type B)
- 545 mm x 317 mm x 330 mm (type B and type A)



HTDS

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