

High-speed liquid screening **without opening a container**

Liquid Scanner LSR-M3

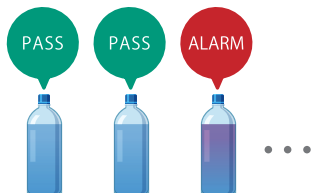
Conformity with
European Civil
Aviation Conference
(ECAC)

ECAC-CEP: TypeB Standard3



High-speed detection of explosives, combustibles, strong acids, and strong alkalis

By simply holding a container over the sensor, the LSR-M3 can determine in **as little as 1 second** whether the liquid inside is safe or dangerous, such as explosive or combustible. Since the detection can be completed without opening the container, the time required for screening can be reduced.



2 types of sensors for various containers

Equipped with two types of sensors, the LSR-M3 can inspect liquids not only in plastic and glass bottles but also in aluminum and steel cans. Additionally, even very small amounts of liquid can be inspected, **as little as 10 ml** for bottles and **35 ml** for cans.



Various features for operation support

- Space-saving design for easy carrying
- Interfaces that can be linked with external devices
- Allows status monitoring, history display, and more by connecting to Security Check Management Software (sold separately)

Kumahira



Bottle screening

- 1 Place the bottle on the bottle sensor part.

*If the liquid volume is very small, adjust the bottle height to the sensor part.



High-speed Screening



Can screening

- 1 Place the metal can on the can sensor part.
- 2 Pull the can holder forward to unlock the latch.
- 3 The metal can is firmly held in the sensor part.



No hazardous substance detected



Since it is unnecessary to open the container, the next screening can be performed immediately.

Hazardous substance detected



The alarm will be displayed on a red screen, and the alarm will sound.



*The external output function can also activate a separate warning lamp.

Usage scenes



Items		Specifications
Power Supply		100 to 240 VAC 50/60Hz (From AC adapter)
Current Consumption		12DCV 1.9A
External Interface		USB Type A (USB2.0 compliant) port: 1 Ethernet port: 1 (Connecting to Security Check Management Software SM-RS1) External output port: 3 (Open collector)
Operating Environment		Indoor 0°C to 40°C *No condensing
Detection Performance		Conformity with ECAC-CEP Type B Standard 3
Detection Sensor		Bottle sensor: Optical sensor Can sensor: Contact sensor
Detectable Container Size	Bottle	Width 135mm or less Liquid volume: 10ml or more *The light from the light source must go through the liquid and enter into the sensor.
	Can	φ40mm to φ70mm Liquid volume: At least 30mm height from the bottom of the can
Detection Speed		1 to 4 seconds *Depending on the inside liquid and container
Weight		7.2kg (Exclude AC adapter)
Outer Dimensions		W220×H262×D400 (mm)

Specifications are subject to change without prior notice due to quality or functional improvements.

Contact us

Manufactured by
Kumahira Co., Ltd.

1-42 Ujina-higashi 2-chome,
Minami-ku, Hiroshima, 734-8567 Japan
Tel : 81-82-252-7009
Fax : 81-82-253-7928

<https://www.kumahira-safe.com/>

NO. 2746ENGLISH-2509

