

# Brief Maintenance Guide

1<sup>st</sup> edition

## Liquid Scanner LSR-M2

(Ver. 2.00 - )



## Before Maintenance

- This guide describes briefly how to maintain LSR-M2. Please follow the correct procedure for maintenance depending on the symptoms.
- After maintenance, please carry out a start-up inspection to make sure that the device can work normally.
- If the problem persists after performing maintenance, contact your service dealer.

### ● Cleaning Air Intake<< The results of bottle screening during the start-up inspection are not within the appropriate range.



1 Lift the front of the device and tilt it up until the holes are visible.



2 Remove dust from the intake with a cloth, etc.



3 Wipe off dust on the desk where the device is placed.



Regularly clean the air intake area of the device and table to prevent dust from accumulating. This can cause the device's internal temperature to rise and lead to breakdowns.

### ● Lamp Check<< [LAMP WARNING] appears on the display and cannot perform the bottle screening.



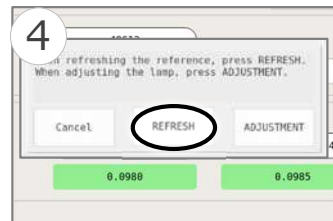
1 Remove the display protector and touch the tool icon in the upper right corner of the screen.



2 Touch the 'Lamp' button.



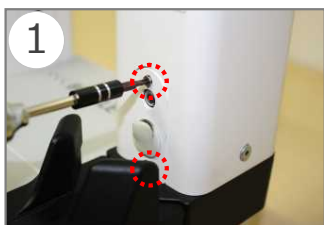
3 Touch the numeric part of the reference light.



4 Touch the 'Refresh' button and wait until the reference value area turns white.

<Note> Do not hold any object in front of the bottle sensor during the reference light adjustment.

### ● Replacing Can Sensor Pad<< The can inspection is not responding well. There is no response even when you press the can holder.



1 Remove the screws and can sensor cover.

<Note> Use #0 Phillips screwdriver.



2 Take out the can sensor pad.



3 Fit the new pad into the can sensor cover.

<Note> The cover has front and back sides. The surface with the larger screw hole is the front.



4 Attach the cover while pushing air out of the can sensor pad.

## ● Removing the power cable<< The screen is black and the device won't start.



Press and hold the power button for 4 seconds for forced shutdown.



Check that the LED indicator turns off.  
<Note> If the LED does not turn off after 30 seconds, proceed to step ③.



Disconnect the power plug and insert it into the socket.  
<Note> Hold the plug and slide it straight back because of a lock type.



Press the power button to turn on.

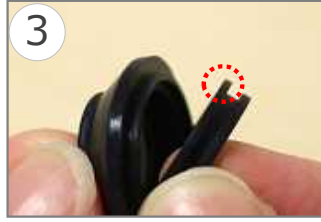
## ● Rubber hood<< The rubber hood comes off and the bottle cannot be screened.



Turn the rubber hood counterclockwise to remove it.



Remove the internal screw ring from the rubber hood.



Attach the rubber hood to the larger outer diameter side of the screw ring.



Install the rubber hood by turning it clockwise.

## Safety Precautions

Please be sure to observe the following precautions to prevent serious accidents such as fire, electric shock, and injury.  
If you are using this product for the first time, please also refer to the user manual.

-  **Do not insert foreign objects.**  
Do not insert metallic or conductive objects into any opening of Liquid Scanner LSR-M2 (hereinafter referred to as the product).
-  **Avoid water.**  
Do not carry or operate the product with wet hands. During screening, be careful not to spill liquid from the container onto the product.  
If a foreign object or liquid is attached to the target container, please wipe off before screening.  
If liquid is spilled on the product, turn off the power immediately, disconnect the power plug. Then wipe off the liquid.  
Contact your service dealer if liquid or foreign object is dropped into inside the product.
-  **Do not connect to unrated power supply.**  
Be sure to use the provided AC adapter at the rated voltage.
-  **Do not apply strong pressure, impact, or damage.**
  - (1) Do not drop the product or AC adapter. Do not apply strong pressure or impact to them.
  - (2) Do not forcibly press the display or scratch it with a sharp item.
  - (3) Do not bend or pull the power cable excessively.
  - (4) Do not hit the product or sensor with a liquid container or other objects.
  - (5) Do not roughly set a container on the product.
-  **Do not touch hot parts for a long time**  
Do not touch directly the lamps, the lamp surroundings, display, LED indicators, or AC adapter while they are hot.  
Be careful as the product is still hot immediately after the power is turned off.
-  **Do not touch the power plug during a thunder or storm.**  
If there is a possibility of lightning strike, turn off the product and unplug the power cable beforehand.
-  **Do not use at the following places.**
  - (1) Directly exposed to water droplets
  - (2) Dusty or dirty places
  - (3) Exposed to direct sunlight
  - (4) Directly exposed to steam or oil mist
  - (5) A place where dew condensation may occur.
  - (6) A place where the ambient temperature is under 0°C or over 40°C
  - (7) High humidity place
  - (8) Unstable place where the product may drop or fall.
  - (9) A severely vibrated location
  - (10) A place where flammable gases are generated.

Contact your service dealer about any other troubles or malfunction.