

V4000 Technical Data Sheet

The V4000 reader is a handheld optoelectronic device used for authentication of taggants that are incorporated into printed materials or packaging.

Features

Model	V4000
Application	Authentication of tagged printed samples
Power	Li-Po Rechargeable Battery
Battery	1000 mAh 3.7 V
Display	128 x 32 OLED 0.91"
Illumination	LED
Detector	Multi-Channel Silicon
Indication	Diagnostic messages on display
Buttons	2 (Power/Collect, Off)
Operation Mode	Direct Contact



Description	SAP Number
SCS-ERU-V4000: Verigard Reader	56240071

Clean-up

V4000 Reader body can be cleaned with a soft lens cleaning tissue or similar materials. Care should be taken to make sure the aperture remains free of dust and covered when not in use. Use of any solvents with this device must be avoided.

Storage considerations

Do not store the V4000 unit or the kit in direct sunlight or extreme temperatures. The recommended temperature operating range for the V4000 is from 5°C to 35°C (40°F to 95°F), and the maximum operating humidity is 95%.

Safety, health, and environment

V4000 reader is to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the manual for specific information.

Disposal

V4000 reader should be disposed as electronic waste. Please notify Luminescence Sun Chemical Security prior to disposing.

Application and working principle

The system offers a “lock and key” approach to verification and is available only from Luminescence Sun Chemical Security. Authenticity is easily determined when “Authentic” appears on the customizable OLED screen. The device uses LED illumination and detects the taggant signal in the visible and near-infrared region. Each unit is calibrated to detect a special taggant system that is produced under controlled conditions. The device uses proprietary and customizable software for positive identification of marked prints, and it provides a clear message to the user about the authenticity of the examined markings.

Handling

V4000 Reader is an optoelectronic device with a rechargeable battery. This electronic device should be handled with proper care and kept away from dirt, moisture, and extreme environmental conditions.

The information contained in this technical data sheet is provided as a guideline for normal operation of the device.

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FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.