



 **NOI** Technologies

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**ZSmart**

Hand Hygiene Monitoring and  
Compliance System

# NOI Technologies ZSmart Hand Sanitizer

According to the WHO Guidelines on Hand Hygiene in Health Care, recent studies conducted in Europe report prevalence rates of patients affected by HCAI (Health Care Associated Infections) range from 4.6% to 9.3%. Approximately 5 million HCAs are estimated to occur in acute care hospitals in Europe annually, representing around 25 million extra days of hospital stay. HCAI contributes to death in at least 2.7% of cases (135 000 deaths per year). In less developed countries HCAI prevalence rates range from 15% to over 30% among hospital patients.

The most common vehicle of transmission of HCAs from patient to patient is Healthcare workers' hands. The best measure hospitals and other healthcare institutions can take to prevent the spread of HCAs is properly enforced hand hygiene.

ZSmart Hand Sanitizer removes human error from this equation by ensuring all staff follow proper hand hygiene protocol. Your patients are safer in our hands.



These days when everyone is relearning the importance of hand hygiene, we approach hygiene in a new way with ZSmart Hand Sanitizer

The ZSmart Hand Sanitizer notes entry and exit in the room with its adjustable sensors. It uses this information to acoustically remind entrants to sanitize their hands.

## Easy Status Information and Logs

Through WiFi, it can provide detailed logs of its online status, how much liquid sanitizer it contains, and usage statistics such as and how often each personnel uses the device. It features an RFID card reader and a BLE beacon to track personnel ID.



Entries and exits by user personnel who have active Zpass cards will automatically be logged along with ID data.



**The ZSmart Hand Sanitizer does not need frequent refills thanks to its 1000 ml tank.**

# Device Features

## Interactive LCD screen

With its 3.5" graphic LCD, all relevant information is accessible. The names of personnel entering the room are displayed on screen.

## Smart Sensors

The device features 4 smart sensors. This allows separate tracking of entries and exists and enables the proper notifications and workflow scenarios.

## Built-In RFID reader

The device features a built-in RFID card reader. This can work with standard MIFARE ID cards personnel use. Personnel can show their card to the card reader to activate or deactivate the device. The parameters for card reading can be configured based on preference. For example, the personnel enters the room and the device intones a repeated warning to sanitize their hands.

The personnel shows their card to the card reader and cleans their hands. The device does not stop giving the warning tone until the personnel card is read.

## Built-In BLE Beacon

The device features a built-in BLE Beacon. The beacon enables the use of Zpass badges. Personnel who carry a Zpass badge on their person do not need to physically show a card to the device. The device will wirelessly recognize the personnel.

## Built-In WiFi

The device can communicate wirelessly with the central ZSmart server with its built-in WiFi. Data such as usage statistics, device status, error logs, and remaining sanitizer liquid are recorded on the server. All devices on the network can be monitored in real time through the server. Any required configuration changes can be centrally implemented through the server application.



Wall & Floor Protection

# NOI Technologies

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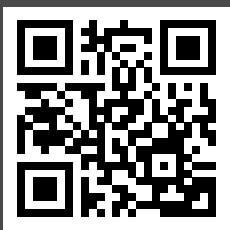


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