

DECLARATION OF CONFORMITY

Radio Equipment Directive, RED 2014/53/EU
Original Declaration of Conformity

Essity Hygiene and Health AB
Mölnads bro 2, Mölndal
SE-405 03 Göteborg, Sweden

Declare under our sole responsibility that the following products:

Radio equipment:	Type Designation:
652920	Dose Sensor 3.0 for Tork Soap and Sanitizer Dispenser
	Serial Number: 170-100 or later

Picture of the product:



fulfill all relevant provisions of the Radio Equipment Directive 2014/53/EU, Low Voltage Directive (LVD) 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/836.

To show compliance with the above Directives the following harmonized standards have been applied:

RED Directive 2014/53/EU:	Title of standard
EN 300 328 V.2.2.2 (2019-07)	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum.
EN 300 330 V.2.1.1 (2017-02)	Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.
EN 18031:2024	Common security requirements for radio equipment - Part 1: Internet connected radio equipment.
EN IEC 62311:2020	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz). With limits from ICNIRP Guidelines (2020).
EMC Directive 2014/30/EU:	
EN IEC 61000-6-1 (2019)	Electromagnetic compatibility (EMC) - Generic standards. Immunity standard for residential, commercial and light-industrial environments.
EN IEC 61000-6-3 (2021)	Electromagnetic compatibility (EMC) - Generic standards. Emission standard for equipment in residential environments.

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ETSI EN 301 489-1 V.2.2.3	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility.
ETSI EN 301 489-3 V.2.3.2	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard for ElectroMagnetic Compatibility.
ETSI EN 301 489-17 V.3.2.6	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility.

Low Voltage Directive (LVD) 2014/35/EU:

IEC 62368-1:2018	Audio/video, information and communication technology equipment - Part 1: Safety requirements.
EN IEC 62368-1:2020+A11:2020	Audio/video, information and communication technology equipment - Part 1: Safety requirements.

RoHS Directive 2011/65/EU:

EN 63000:2018

Description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the DoC:

The Dose Sensor 3.0 for Tork Soap and Sanitizer dispenser is a sensor unit used to count the consumption of soap and sanitizer liquid. The sensor unit is fitted inside the S4 manual soap and sanitizer dispenser. The sensor unit measures the consumption by millimeter travel of pump lever. It contains a Nordic Semiconductor nRF52840-QIAA-R7 microcontroller with an integrated radio for the short range radio communication. An STMicroelectronics ST25R95-VMD5T is used for the near field communication. The sensor unit is powered with three AAA (LR03) batteries. At a certain interval (usually 4 minutes) the sensor unit transmits the consumption value via Bluetooth® Low Energy advertisement to a Tork Gateway or BLE access point. The battery lifetime is around 3 years in normal operation.

This declaration relates to the radio equipment in the state in which it was delivered, and excludes components which are added and/or operations carried out subsequently by the final user.

Signed for and on behalf of Essity Hygiene and Health AB, Göteborg, Sweden, Date 20, Month 11 and Year 2025.



Romana Stefek
Global Regulatory Affairs Director,
LM Mölndal Medical Devices (PRRC), Cosmetic, Biocide and Certified products

Essity Hygiene and Health AB
SE-405 03 GÖTEBORG
Sweden
Phone: +46 31 746 00 00
Fax: +46 31 746 19 00
www.essity.com

EC DoC_Dose Sensor 3.0 for Tork Soap and Sanitizer Dispenser_652920_20251120

Final Audit Report

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