

Installation and User Instructions

Smart Probe

Version 3



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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer shall perform repairs to components.

Failure to observe this information can result in injury or equipment damage.

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Product Modifications

Year	Type	Modifications

Document Revisions

Date	Version Number	Document Changes
27-07-2020	1.0	Initial draft
18-02-2021	2.0	Added IC and ICC warnings

Approvals

This document requires following approvals:

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1 PREFACE

1.1 Description of the User

The Smart Probe 3 is intended for use by staff within commercial kitchen environments to probe and record the temperature of food items. It is not intended for domestic use.

1.2 Explanation of Safety Warnings

DANGER

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury

WARNING

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

CAUTION

Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates information considered important, but not hazard-related.

1.3 Retaining Instructions

Read and understand this manual and its safety instructions before using this product. Failure to do so can result in serious injury or death.

Follow all the instructions. This will avoid fire, explosions, electric shocks or other hazards that may result in damage to property and/or severe or fatal injuries.

The product shall only be used by persons who have fully read and understand the contents of this user manual.

Ensure that each person who uses the product has read these warnings and instructions and follows them.

Keep all safety information and instructions for future reference and pass them on to subsequent users of the product.

The manufacturer is not liable for cases of material damage or personal injury caused by incorrect handling or non-compliance with the safety instructions. In such cases, the warranty will be voided.

1.4 Obtaining Documentation and Information

1.4.1 Internet

The latest version of the documentation is available at the following address:

<https://support.navitas.eu.com>

1.4.2 Ordering Documentation

Documentation, user instructions and technical information can be ordered by calling Navitas Digital Safety Ltd at 0808 164 3773.

1.4.3 Documentation Feedback

If you are reading Navitas Digital Safety Ltd product documentation on the internet, any comments can be submitted on the support website. Comments can also be sent to supportteam@navitas.eu.com.

We appreciate your comments.

1.4.4 Support and service

For information about special tools and materials please contact:

Navitas Digital Safety Ltd, 1st Floor, 13 Phoenix Park, Coalville, Leicestershire, LE67 3HB, UK.
Telephone: 0808 164 3773, www.navitas.eu.com

For other questions, information, technical assistance or ordering user instructions, please contact the manufacturer:

Navitas Digital Safety Ltd, 1st Floor, 13 Phoenix Park, Coalville, Leicestershire, LE67 3HB, UK.
Telephone: 0808 164 3773, www.navitas.eu.com

For service-related questions, contact:

Navitas Digital Safety Ltd, 1st Floor, 13 Phoenix Park, Coalville, Leicestershire, LE67 3HB, UK.
Telephone: 0808 164 3773, www.navitas.eu.com

2 Description of the product

2.1 Intended Use and Reasonably Foreseeable Misuse

The Smart Probe is intended to be used as digital food temperature probe. The Smart Probe enables the taking of hot and cold food temperatures using a separately available needle as well as taking surface temperatures using the in-built Infrared sensor.

The Smart Probe shall not be used as a domestic device and is suitable only for the taking of food temperatures within a commercial kitchen environment

The Smart Probe shall be used with the following software, original accessories and components only:

- Navitas Digital Food Safety cloud software
- Food Needle (available separately)
- Smart Probe charger

2.2 Geographical Restrictions

Radio Equipment Directive 2014/53/EU requires that in cases of restrictions on putting into service or of requirements for authorisation of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorisation of use exist and that such information shall be completed in the instructions accompanying the radio equipment.

2.3 Technical Data

Parameter	Unit
Device name	Smart Probe
Designation	Version 3
Type	NAVIPROBE30720
Technical life span	5 years
Expiry Date	5 years from manufacture date
Energy consumption	3W
Frequency band	2.4Ghz, 5Ghz

Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates	100mW Complies with 802.11 a/b/g/n/ac
Weight	350 grams
Performance data	Operating temperature -10 to 55 degrees Celsius
Supply data for power, gas, water and other consumables (for example detergents, lubricants)	5V DC 2A

Table 1. Technical Data

2.4 Product Compliance

Navitas Digital Safety Ltd hereby declares that the radio equipment type Navitas Digital Food Safety Ltd is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://www.navitas.eu.com/directives>

The product conforms with the following directives:

- EN 300 328
- EN 301 489-17
- EN 300 220
- EN 301 489-3
- EN 301 489-1
- EN 62368
- EN 50566
- EN 62133
- ROHS 2.0

2.5 Product elements



- a. Power/Action – This button turns the unit on/off when held for 3 seconds. During operation pushing this button for short bursts performs actions.
- b. Charge Port – for connecting the supplied power charger and additional, optional Food Needle.
- c. Camera – Integrated camera
- d. Infrared Sensor – Integrated infrared sensor for reading surface temperatures
- e. LCD display – To show user interface and perform actions via touchscreen

3 Safety Instructions

WARNING

Read and understand this manual and its safety instructions before using this product. Failure to do so can result in serious injury or death.

3.1 How to Use the Product Safely

3.1.1 Safety information for vulnerable people

- This product is intended for professional use only. Do not use this product at home or in an untrained environment
- The product is not designed for use by children. Usage by under 18's should be supervised by a competent, trained adult.
- This product is not to be used by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product in a safe way and understand the hazards involved.
- Never leave children unattended with the packaging material. The packaging material represents a danger of suffocation. Children frequently underestimate the dangers. Always keep children away from the packaging material.
- Be vigilant at all times, and always be careful what you are doing. Do not use electrical equipment if you are lacking in concentration or awareness, or are under the influence of drugs, alcohol or medication. Even a moment of inattentiveness can lead to serious accidents and injuries when using electrical equipment.

3.1.2 Safety information related to the intended use

- Use this product only for its intended use and as described in this manual.
- Use the Smart Probe within the specified performance parameters.
- Do not submerge the Smart Probe in liquid.
- Never use a damaged Smart Probe or attempt a repair yourself. Contact Navitas Digital Food Safety at <https://support.navitas.eu.com> for all product repairs and assistance.
- Only use the supplied charging cable.
- The charging cable is compatible with all 1 Amp USB wall plugs or sockets.
- Do not expose the Smart Probe to temperatures above +40 °C and below -10 °C.

3.1.3 Safety information related to the use of the product in residential areas

- The Smart Probe has been tested and is compliant with safety standards for electromechanical devices. If handled properly and according to the Safety Instructions and the User Manual, the Smart Probe is safe to use.

3.1.4 Safety Information Related to the Risk of Electrocutation

- Do not use or store the Smart Probe or charging cable where there is a risk it can fall into water.
- Do not attempt to retrieve a Smart Probe that has submersed in water whilst charging. Unplug immediately.
- Never use a Smart Probe or charger that has been damaged by water or suffered water ingress. Contact Navitas Digital Food Safety Ltd at <https://support.navitas.eu.com> for advice.

3.1.5 Installation safety information

- Check the Smart Probe for any damage before use. If there is any visible damage, a strong odour, or excessive overheating of components, unplug all the connections immediately and stop using the Smart Probe.
- Use the charging cable with a compatible USB charge plug in a suitable, properly installed and easily accessible mains power socket. Make sure the charging cable can be disconnected from the mains at all times.

3.1.6 Safety information regarding the use

- Read and follow the instructions regarding the installation and use in the User Manual provided at <https://support.navitas.eu.com> before using the Smart Probe.
- Do not drop the Smart Probe or any of its parts

3.1.7 Maintenance safety information

- Wipe the Smart Probe after each operation, using a damp soft cloth or disposable water-based wipe. Do not use an alcohol-based or other chemical solution on the Smart Probe screen as this can damage the protective film.
- Store the Smart Probe away from sources of heat or liquid when not in use.
- Power off the Smart Probe when not in use.

3.1.8 Service and repair safety information

WARNING

- **WARNING! Risk of explosion! Do not attempt to open, modify or repair the product. Alterations to the product and technical modifications are not permitted.**

3.1.9 Safe Disposal

- Follow the instructions in the section "Disposal" in this User Manual for safe disposal of the Smart Probe.

3.2 IC Caution

3.2.1 RSS-Gen Issue 3 December 2010" & "CNR-Gen 3e édition Décembre 2010:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- Français:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le

brouillage est susceptible d'en compromettre le fonctionnement.

3.3 FCC Caution

3.3.1 15.19 Labeling Requirements

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.

3.3.2 15.21 Information to the User

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3.3.3 15.105 Information to the User

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



3.3.4 RF Warning for Portable Device

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



3.3.5 Specific Absorption Rate (SAR) Information

This **Smart probe** meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

3.3.6 FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: **Smart probe FCC ID: 2AYVU-SP3** has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the **body is 0.1291W/kg**. This device was tested for typical portable device operations . To maintain compliance with FCC RF exposure requirements. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided.