MTH310

Temperature Sensor

Specifications

Change History

Document Version	Release Date	Description
V2.2.2	2026-02-02	Updated the certification information.
V2.2.1	2021-12-17	Added the certification related description.
V2.2.0	2020-06-05	• Added the certification information. • Updated the cable length. • Updated the document style. • Updated some sentences.

Introduction

The MTH310 is a waterproof temperature sensor used to monitor the ambient temperature.

Certifications

CE, EMC, RoHS, FCC

If the product does not have the relevant certifications required by the countries or regions where it is to be sold, please contact NovaStar to confirm or address the problem. Otherwise, the customer shall be responsible for the legal risks caused or NovaStar has the right to claim compensation.

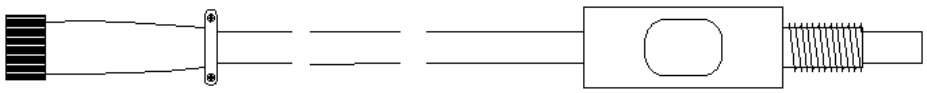
Features

- Waterproof IP65
- Connection to the MFN300 multifunction card
- A 5-meter cable provided, replaceable by a 25-meter cable
- Temperature measurement range: –20°C to +75°C
- No external power supply required

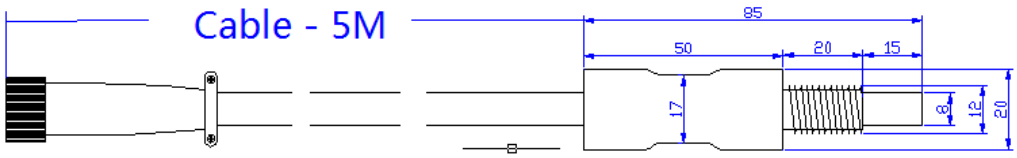
Appearance

All product pictures shown in this document are for illustration purpose only. Actual product may vary.

Dimensions



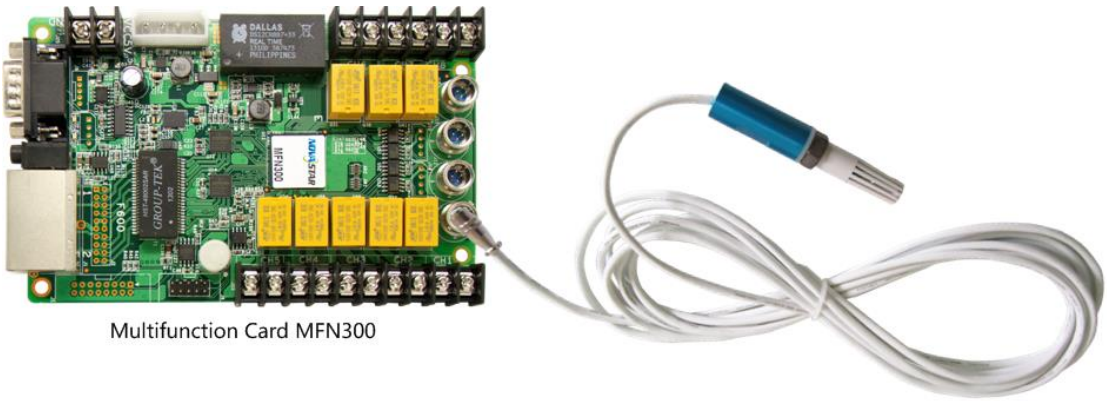
Top view



Front view

Tolerance: ±0.3 Unit: mm

Connection



Multifunction Card MFN300

Specifications

Rated Voltage	DC 5 V	
Temperature Measurement Range	–20°C to +75°C	
Operating Environment	Temperature	–25°C to +80°C
	Humidity	0% RH to 99% RH, non-condensing
Cable Length	A 5-meter cable provided, replaceable by a 25-meter cable	

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

Note: 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.

Trademark

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Statement

Thank you for choosing NovaStar's product. This document is intended to help you understand and use the product. For accuracy and reliability, NovaStar may make improvements and/or changes to this document at any time and without notice. If you experience any problems in use or have any suggestions, please contact us via the contact information given in this document. We will do our best to solve any issues, as well as evaluate and implement any suggestions.

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