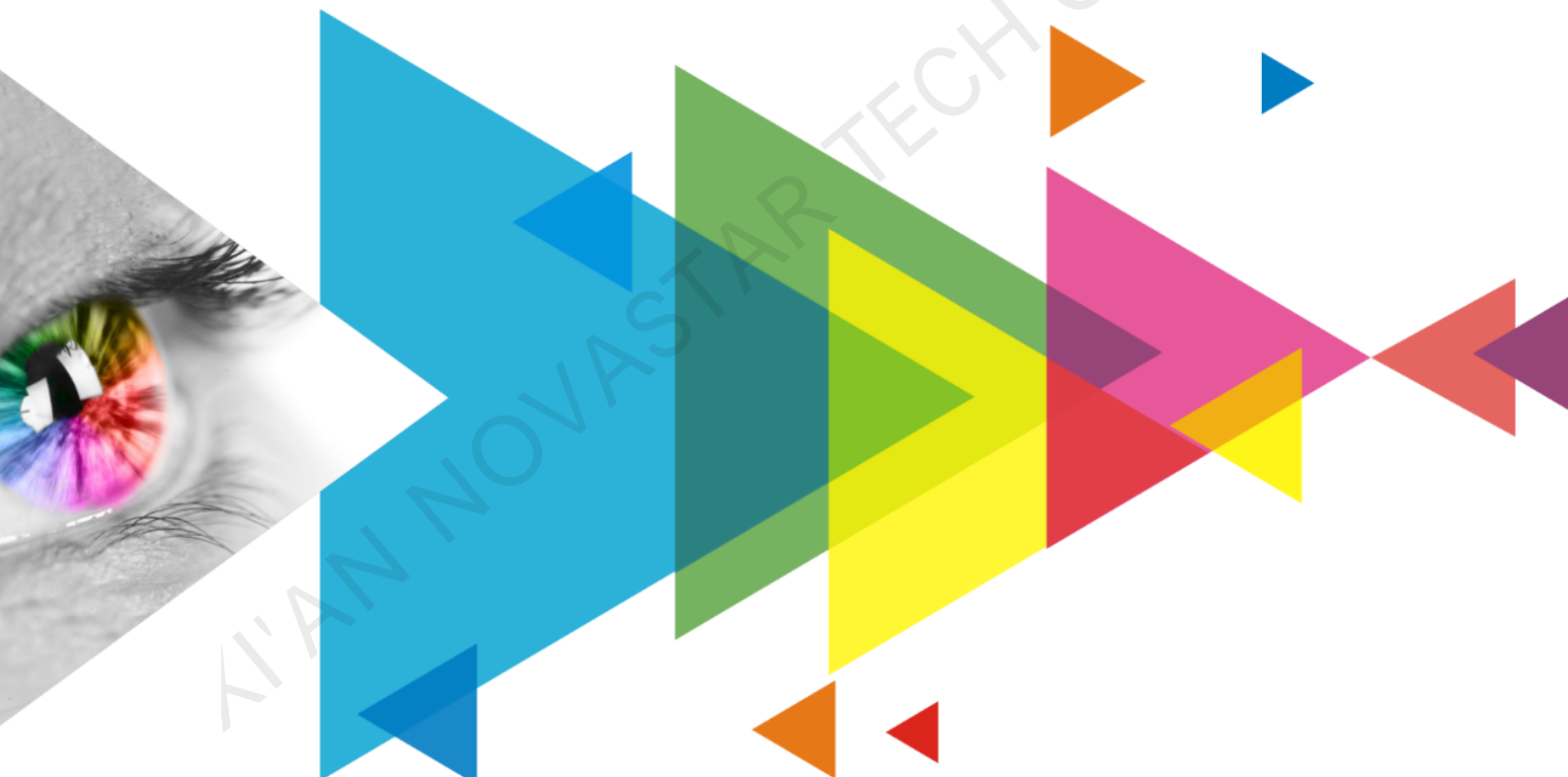


MTH310

Temperature Sensor

V2.2.0



TI'AN NOVASTAR TECH CO., LTD

Specifications

Change History

| Document Version | Release Date | Description |
|------------------|--------------|--|
| V2.2.0 | 2020-06-05 | <ul style="list-style-type: none">• 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 and display the temperature on the LED screen.

Features

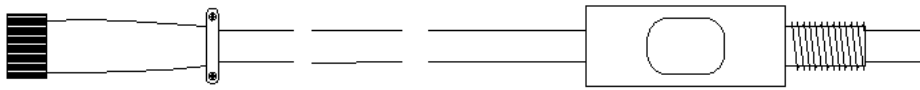
- Waterproof IP65
- Connection to the MFN300 multifunction card
- Cable length: 5 meters (can be extended to 25 meters)
- Temperature measurement range: -20°C to $+75^{\circ}\text{C}$
- No external power supply required

Appearance

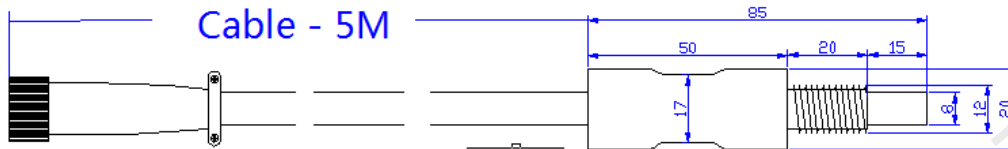


All product pictures shown in this document are for illustration purpose only. Actual product may vary.

Dimensions



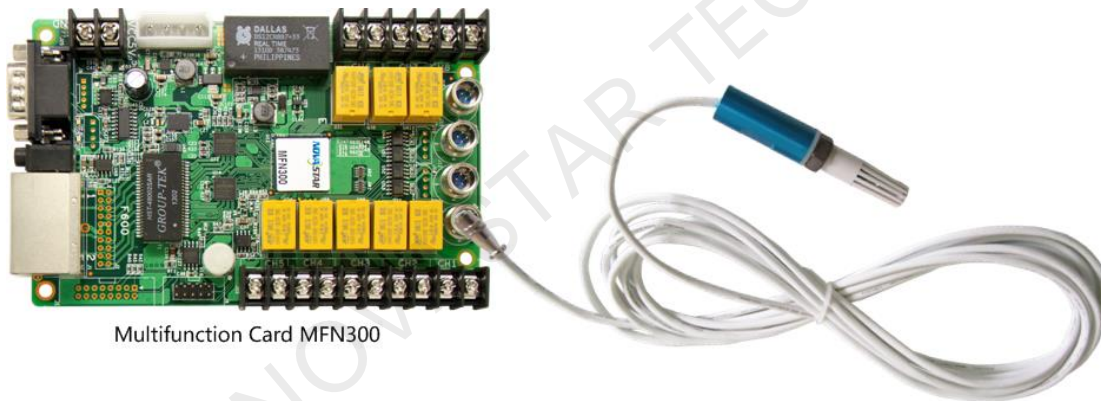
Top view



Front view

Tolerance: ± 0.1 Unit: mm

Connection



Multifunction Card MFN300

Specifications

| | | |
|-------------------------------|---|---------------------------------|
| Rated Voltage | DC 5V | |
| 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 | 5 meters (can be extended to 25 meters) | |
| Certifications | EMC, RoHS, FCC, PFOS | |

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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