



# TI-02 / TI-06

## DIGITAL THERMOMETER

Ver.06



TI0206V06-01T-11412

### 1. DESCRIPTION

Accuracy, repeatability, robust construction and immunity against the vibrations, humidity and interferences.

### 2. APPLICATION

- Refrigerated equipment
- Greenhouses
- Ovens
- Climatized
- Rooms
- Industries nourishing, chemical and pharmaceutical

### 3. TECHNICAL SPECIFICATIONS

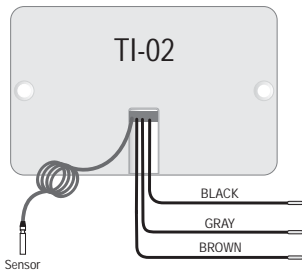
- Power supply: 115/230 Vac (50/60 Hz) or 12/24 Vac/dc
- Temperature range: -50 to 105 °C
- Sensor: Thermistor NTC
- Dimensions: TI-02: 77 x 60 x 38 mm  
TI-06: Diameter → 60 mm    Depth → 40 mm
- Operation temperature: 0 to 50 °C
- Operation humidity: 10 to 90% UR (without condensation)

### 4. CONFIGURATION

#### Indication adjust (OFFSET)

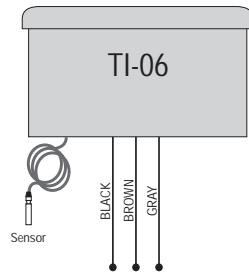
Press the key **SET** for 30 seconds, the message **OFF** will appear on the display. Press again the key to put the corrected value. This function allows adjustment of ±5.0 °C regarding the value that the instrument indicates.

### 5. WIRING DIAGRAM



Power Supply

BLACK and BROWN: 230 Vac (24 Vac/dc)  
BLACK and GRAY: 115 Vac (12 Vac/dc)



Power Supply

BLACK and BROWN: 230 Vac (24 Vac/dc)  
BLACK and GRAY: 115 Vac (12 Vac/dc)

Note: In both formats, the sensor cable length can be increased by the user until 200 meters, using PP 2 x 24 AWG cable.  
For immersion in water it uses thermometric well.

### IMPORTANT

According to the chapters from the IEC60364 standard:

- 1: Install protectors against over voltage on power supply.
- 2: Sensor cables and computer signals can be together, however not at the same place where power supply and load wires pass for.
- 3: Install suppressor of transient in parallel to loads to increase the useful life of the relays.
- 4: The withdrawal or substitution of the adhesive panel frontal as well as alterations in the electronic circuit on the part of the user implies in the cancellation of guarantee.

For more information contact our application eng. department through e-mail [support@fullgauge.com](mailto:support@fullgauge.com) or dial +55 51 3475.3308.

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