

Features

- Digital temperature or multi-parameter indicator
- Selectable measurement units (°C, %, ppm, V, W, dB, mA)
- High brightness and luminosity characters
- It has an external temperature probe.
- Can receive data through communication bus (optional): Modbus RTU RS485, ModBus TCP, 0-10V or 4-20 mA inputs or remote control
- IP41 degree of protection for commercial environments.
- Configurable relays.

Applications

- Supermarkets and department stores.
- Industrial production rooms.
- Sports facilities.
- Auditoriums and exhibition halls.
- Stations and airports.
- Data processing centers



Description

The DT is a digital indicator with segment displays that visualizes the temperature or any other parameter captured through a temperature probe or analog input or transmitted through one of its multiple optional communications buses.

It has high-brightness segment displays, which allow the visualization of bright characters with a wide viewing angle. You can manually configure the measurement unit (dot matrix) among many to view any type of measurement with analog input or communication bus (°C, %, V, W, dB, A, Kg, m, m3, l ...) even view different measurements sequentially.

DT can display multiple types of units with up to 4 digits



DT can show visualization of sequential measurements (up to 4 analog and up to 10 in communications)



Models

There are different models of the DTH indicator that are adjusted to each of the installation needs:

DT-I It has an external or embedded probe to facilitate sequential temperature and humidity readings, or just a configurable measurement (probe included with 5m cable). Includes charger.



DT can receive numerical information through a Modbus RTU RS485 communication bus and display up to 10 values sequentially (**DT-C**), Modbus TCP (**DT-C-TCP**) or 4 values through analog signal (**DT-EA**, 0-10V or 4-20mA). Includes power supply.

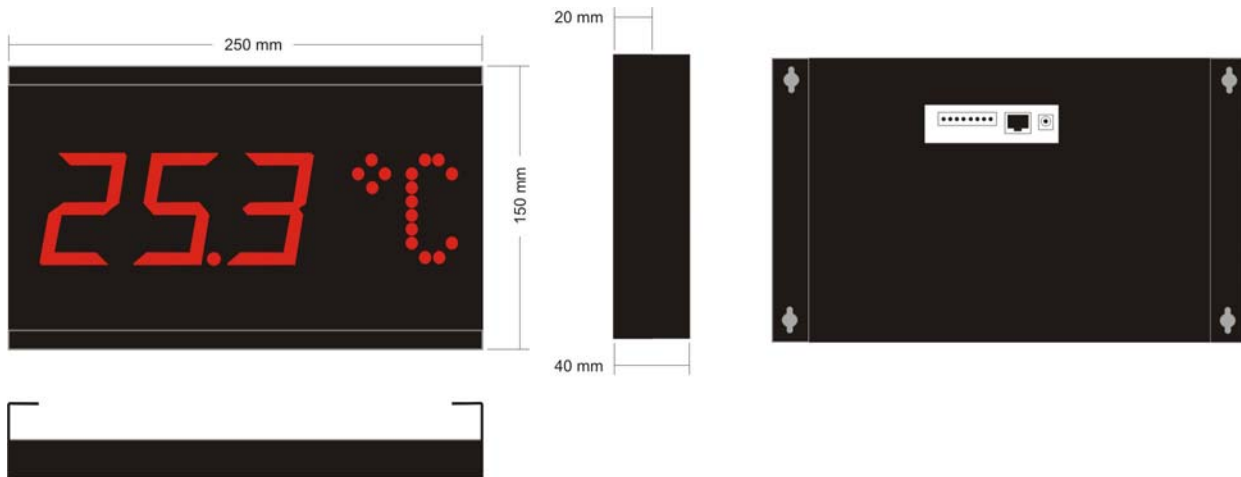


Technical specifications

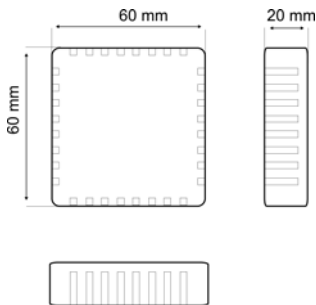
Parameter

| | | |
|---------------------------|----------------------|--|
| Power supply | | 12Vdc , voltaje converter 240 -110Vac , 50/60 Hz |
| Temperature measure | DT-I | |
| | Range | -20°C to 50° |
| | Precision | +/- 0.35°C |
| | Resolution | 0.1°C |
| | N° inputs | 1 |
| | Input | Temperature and humidity sensor (I) |
| Humidity measure | DT-I | |
| | Range | 0% to 99% HR |
| | Precision | +/- 3.5 % HR |
| | Resolution | 1% HR |
| | N° inputs | 1 |
| | Input | Temperature and humidity sensor (I) |
| Segment display | | |
| | Vision angle | 180 ° |
| | Luminosity | > 35 mcd per segment |
| | Character dimensions | 60 x 42 mm |
| Communications Bus | DT-C | ModBus RTU RS485 (Half Duplex) |
| | Slave | Configurable 0 to 63 (2 by default) |
| | Velocidad | Configurable 300 ,600,1200,2400,4800,9600 y 19200 bauds |
| | Paridad | Configurable N,P,I (N by default) |
| | Funciones | 1 to 17 |
| Communications Bus | DT-C-TCP | ModBus TCP RJ45 connector CAT5,5e o 6. |
| | Slave | Configurable 0-0-0-0 a 255-255-255-255 |
| | Speed | 10M Max. |
| | Funtions | 1, 3,5,6,15,16 |
| Analog inputs | DT-EA | 0-10V, 4-20mA, 2-10V |
| | Number | 4 input |
| Housing material | | Black painted Iron sheet |
| Working temperature | | -10°C - 50°C |
| Working humidity | | 10% to 80% HR without condensation |
| Storage temperature | | - 20°C, +45 °C |
| Storage humidity | | 5% to 95% HR without condensation |
| Protection degree | | IP41 o IP64 for outdoors and pools (option -IP) |
| Soporte | | Tethering wall via screws |
| Programmable on-off time | | Via pushbutton |
| Sample time | | Via pushbutton |
| Additional options | | |
| Option -R | | Two relays that are activated according to set points set in the configuration menu. Relays with one NO contact and 250mA. |
| Option -TR | | Application of an anti-humidity treatment (tropicalized) to the electronic boards that allows their operation in environments with a high degree of humidity such as swimming pools. |
| Option -L | | Customizable logo on the front of the equipment |

Dimensions



Dimensions STH-I



Weight

1.0 Kg
