

## Digital temperature sensor TST101



### Short description

**TST101** is a digital sensor, based on DS18B20 - Maxim's high-precision, 1-wire thermometer. The device provides 12-bit temperature measurement. It is a low cost option for temperature monitoring.

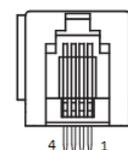
The digital temperature sensor **TST101** is designed for 19" cabinet mounting and can be used for single or multi-sensor systems for environmental monitoring in server rooms.

### Technical parameters

Operating Range	-40 to +85	°C
Accuracy (-10 ÷ +85°C)	± 0.5	°C
Resolution	0.0625	°C
Dimensions	43.5 x 64 x 18.5	mm
Communication interface	1-Wire	
Connectors	Two RJ-11 in parallel	

### RJ-11 pin out

Pin	Description
2	Data
3	GND (Ground)
4	VDD (+3 to +5.5V)



### 1-Wire Bus

1-Wire is a registered trademark of Maxim Integrated Products, Inc. It is designed to connect several sensors over a short wiring. The bus carries power and a single data wire. It is not suitable for long distances or environments with EMC interference. We strongly recommend read Maxim's 1-Wire tips at <http://www.maxim-ic.com/app-notes/index.mvp/id/148>.