



Temperature and humidity sensor TSH202



Short description

TSH202 is 1-wire, low cost option for humidity and temperature monitoring. It is successor of TSH200. The device integrates basic elements plus signals processing and provide a fully calibrated digital output. A unique capacitive element is used for measuring relative humidity while temperature is measured by a band gap sensor. Both sensors are seamlessly coupled to a 12 bit analog to digital converter. This results in superior signal quality and fast response time.

Technical parameters

Operating Range	0 to 100	%RH	-40 to +85	°C
Accuracy	±3.0	%RH	±0.4	°C
Resolution	0.05	%RH	0.01	°C
Long-term drift	< 0.5	%RH/yr	< 0.04	°C/yr
Head's dimensions	45 x 16 x 10 mm			
Communication interface	1-Wire			
Cable length	1 meter			

Pinout

yellow	+3 to +5.5V
green	Data 1-Wire
brown	Ground

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