

Teplotní a vlhkostní senzory NOVOSENSE v nabídce ECOM

Temperature Sensor / Temperature and Humidity Sensor



Zařazením firmy NOVOSENSE do sortimentu naší společnosti ECOM můžeme rozšířit naši nabídku pro zákazníky o teplotní a vlhkostní senzory tohoto výrobce. Tyto senzory jsou schopny splnit náročné požadavky našich zákazníků, ať již svým mechanickým provedením, přesností, způsobem připojení a typem komunikace. V nabídce jsou senzory s pulzním výstupem, jedno-vodičové (one-wire), I²C/SMBUS a s analogovým výstupem. Maximální dosažitelná přesnost měření až 0,1°C, proudová spotřeba dle typu od 3 do 37μA. Provedení těchto senzorů předurčuje jejich použití v aplikacích pro řízení a regulaci teploty v průmyslových i rezidenčních objektech, kontrole procesů, monitorování teploty procesorových systémů, spotřební elektronice, lékařských přístrojích, telekomunikační technice nebo napájecích zdrojích. Jedná se o velmi univerzální a flexibilně použitelné součástky pro měření teploty.

Přehled sortimentu :

Výstup I²C / SMBUS

Part number	Product description	Package	Temperature range	Supply voltage	Working current	Port type	Max. resolution	Max. precision	Typical application
NST175	Digital temperature sensor with I ² C/SMBUS interface in industrial-qualified package	MSOP-8/ SOP-8	-55°C ~125°C	1.62V~5.5V	30µA	I ² C/SMBUS	0.0625°C	±0.5°C	LM75/TMP75 replacement, server temperature measurement, battery temperature measurement, SSD temperature measurement, board-level temperature measurement
NST1075	Small-size high-precision digital temperature sensor	WSON8	-55°C~125°C	1.62V~5.5V	30µA	I ² C/SMBUS	0.0625°C	±0.5°C	TMP75 replacement, server temperature measurement, routers, communication base stations, board-level temperature measurement
NST118	Small-size high-precision digital temperature sensor with I ² C/SMBUS port	DFN-6	-40°C~125°C	1.71V~3.6V	6.5µA	I ² C/SMBUS	0.0625°C	±0.1°C	x117 substitution, wearable temperature monitoring, medical thermometer, battery temperature measurement, industrial IoT, environmental monitoring, etc.
NST117	Small-size high-precision digital temperature sensor with I ² C port	DFN-6	-55°C~125°C	1.62V~5.5V	30µA	I ² C/SMBUS	0.0625°C	±0.2°C	x117 series substitution, wearable temperature monitoring, medical thermometer, battery temperature measurement, industrial Internet of Things, environmental monitoring, etc.
NST112 -DSTR	SOT563 is a high-accuracy and low-power digital temperature sensor with a I ² C/SMBUS port	SOT563	-40°C~125°C	1.71V~3.6V	6.5µA	I ² C/SMBUS	0.0625°C	±0.5°C	1X2 series substitution, board level temperature measurement, server temperature measurement, battery temperature measurement, SSD temperature measurement, IoT temperature monitoring, etc.
NST112x	WLCSIP is a high-accuracy and low-power digital temperature sensor with a I ² C/SMBUS port	DSBGA-4	-40°C~125°C	1.5V~3.6V	5.7µA	I ² C/SMBUS	0.015625°C	±0.1°C	1X2 series substitution, wearable temperature monitoring, board level temperature measurement, server temperature measurement, battery temperature measurement, SSD temperature measurement, IoT temperature monitoring, etc.
NST103	WLCSIP is a low-power digital temperature sensor with a I ² C/SMBUS port	DSBGA-4	-40°C~125°C	1.5V~3.6V	3µA	I ² C/SMBUS	1°C	±1°C	X103 series substitution, mobile phone, laptop, SOLID-state disk, server, telecommunication, set-top box, sensor, low power environment
NST461	High-precision and high-resolution I ² C/SMBUS remote and local temperature sensors (1L+1R)	WQFN-10	-40°C~125°C	2.1V~3.6V	37µA	I ² C/SMBUS	0.0625°C	±0.5°C	X461/451 substitution, X4x1 compatibility, laptop, desktop, solid-state drive, server, telecommunication, Industrial Internet of Things, etc.
NST1412	High-precision I ² C/SMBUS remote and local temperature sensors (1L+1R)	MSOP-10	-40°C~125°C	3V~3.6V	37µA	I ² C/SMBUS	0.125°C	±0.5°C	EMC1412 substitution, laptop, desktop, solid-state drive, server, telecommunication, Industrial Internet of Things, etc.
NST1413	High-precision I ² C/SMBUS remote and local temperature sensors (1L+2R)	MSOP-10	-40°C~125°C	3V~3.6V	37µA	I ² C/SMBUS	0.125°C	±0.5°C	EMC1413 substitution, laptop, desktop, solid-state drive, server, telecommunication, Industrial Internet of Things, etc.
NST7719	High-precision I ² C/SMBUS remote and local temperature sensors (1L+2R)	MSOP-10	-40°C~125°C	3V~3.6V	37µA	I ² C/SMBUS	0.125°C	±0.5°C	NCT7719 substitution, laptop, desktop, server, telecommunication, Industrial Internet of Things, etc.

Pulzní výstup a jedno-vodičové připojení

Part number	Product description	Package	Temperature range	Supply voltage	Working current	Port type	Max. resolution	Max. precision	Typical application
NST1001	High-precision dual-pin digital pulse output temperature sensor	TO-92S/ DFN-2	-50°C~150°C	1.65V~5.5V	30µA	Pulse count output	0.0625°C	±0.2°C	NTC replacement, quick response probe, 2-wire temperature probe, gas meter temperature compensation, wearable and IoT temperature measurement
NST1001HA	High-precision dual-pin digital pulse output temperature sensor with maximum accuracy of ±0.2°C	DFN-2	-50°C~150°C	1.65V~5.5V	30µA	Pulse count output	0.0625°C	±0.1°C	NTC replacement, quick response probe, 2-wire temperature probe, gas meter temperature compensation, wearable and IoT temperature measurement
NST1002	High-precision single-BUS digital temperature sensor	TO-92S/ DFN-2	-50°C~150°C	1.7V~5.5V	30µA	One wire protocol	0.0078125°C	±0.1°C	NTC replacement, quick response probe, 2-wire temperature probe, glucometer, wearable and IoT temperature measurement

Analogový výstup

Part number	Product description	Package	Temperature range	Supply voltage	Working current	Port type	Max. resolution	Max. precision	Typical application
NST20	High-precision, low-power analog output temperature sensor (negative temperature coefficient)	SC70-5	-55°C~130°C	2.4V~5.5V	20µA	Analog output	-11.77mV/°C	±0.5°C	X20 series substitution, laptop temperature monitoring, smart phone temperature measurement, temperature monitoring of portable medical devices, industrial Internet of Things and power system, power module temperature measurement, environmental monitoring & HVAC, etc.
NST86	High-precision, low-power analog output temperature sensor (negative temperature coefficient)	SC70-5	-50°C~150°C	2.4V~5.5V	20µA	Analog output	-10.9mV/°C	±0.5°C	X86 series substitution, laptop temperature monitoring, smart phone temperature measurement, temperature monitoring of portable medical devices, industrial Internet of Things and power system, power module temperature measurement, environmental monitoring & HVAC, etc.
NST235	High-precision, low-power analog output temperature sensor (positive temperature coefficient)	SC70-5 SOT23-3	-40°C~150°C	2.3V~5.5V	20µA	Analog output	10mV/°C	±0.5°C	X235 series substitution, laptop temperature monitoring, smart phone temperature measurement, temperature monitoring of portable medical devices, industrial Internet of Things and power system, power module temperature measurement, environmental monitoring & HVAC, etc.
NST60	High-precision, low-power analog output temperature sensor (positive temperature coefficient)	SOT23-3	-40°C~125°C	2.4V~5.5V	20µA	Analog output	6.25mV/°C	±0.5°C	X60 series substitution, laptop temperature monitoring, smart phone temperature measurement, temperature monitoring of portable medical devices, industrial Internet of Things and power system, power module temperature measurement, environmental monitoring & HVAC, etc.

Měření teploty a vlhkosti

Part number	Product description	Package	Temperature range	Relative humidity (RH) range	Supply voltage	Working current	Port type	Max. resolution	Max. precision	Typical application
NSHT30-CLAR	High-precision, Low-power I ² C Digital Interface Temperature and Humidity Sensor	LGA	-40°C~125°C	0%RH~100%RH	2.0V~5.5V	3.2µA	1°C	/	±0.3°C	Humidifier/dehumidifier, White goods, Intelligent constant temperature and humidity controller, Ventilators, Smart agriculture, Cold chain logistics Hygrograph, Automobile intelligent fog removal system, etc.

Odkazy :

Stránka výrobce NOVOSENSE - <https://www.novosns.com/en/temperature-humidity-sensor>

Sortiment skladem ve společnosti ECOM s.r.o. <https://ecom.cz/eshop/vse/vyhledavani=novosense>

Produkty z tohoto článku v e-shopu ECOM :

[NST235-DSTR](#)

[NST235-DSCR](#)

[NST175H-QSPR](#)

[NST1001-QTZA](#)

[NS18B20-QTOS](#)

[NST1001-QDNR](#)