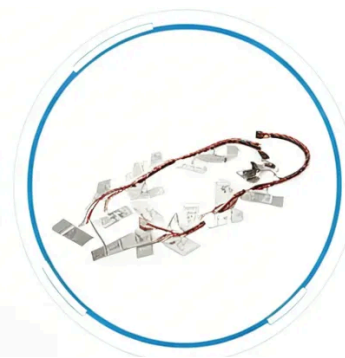


SENSOR PRODUCTS BROCHURE

Let Every Sense Become A Force
That Changes The World



A BOUT US

Founded in 2023 by a team with more than 10 years of experience in the temperature sensor industry, Dongguan Evergreen Technology is a trusted manufacturer of high-performance temperature sensors serving global OEM and industrial customers. Supported by advanced production lines, precision testing equipment, and an annual production capacity of over 30 million sensors, we deliver consistent quality, competitive pricing, and reliable supply to customers worldwide.

We specialize in industrial-grade temperature measurement solutions, offering a full range of products including NTC sensors, PT100/PT1000 RTD sensors, NTC/PTC thermistors, digital temperature sensors, and thermocouples. Our products are exported to over 20 countries and regions, and are widely used in industrial automation, HVAC systems, home appliances, and new energy vehicles (NEVs).

5000m² +

Land Area

30M pieces +

Annual Capacity

100+ Staff

Team Members



For overseas buyers, we offer more than just manufacturing. We provide strong OEM/ODM support, flexible customization, responsive communication, and strict quality control throughout every stage of production. Our experienced technical team works closely with customers to develop tailored sensor solutions that meet specific performance, installation, and application requirements.

Guided by the belief that customer satisfaction drives long-term partnership, we are committed to helping clients shorten development cycles, improve product reliability, and strengthen their market competitiveness. At Dongguan Evergreen Technology, we aim to be your dependable long-term partner for customized temperature sensing solutions.

Customization Process:

Receive Custom Requirements → Assess Technical Feasibility → Provide Drawings&Quotation → Finalize Specs&Quotation → Confirm Sample List → Pay Sampling Fee



Temperature Sensors for Home Appliances



■ EG-N001

▣ Features

Corrosion Resistant, Fast Response, High Withstand Voltage

▣ Applications

1. Household Appliances Temp Control,
2. Liquid Temp Measurement

Op. Temp. Range	-30°C~+105°C
TTC	≈10s (in still air)
Withstand Voltage	AC1500V
IR	≥500MΩatDC300V
Nominal Resistance	R25=10KΩ±1%
B Value	B25/85=3435K±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

■ EG-N004

▣ Features

Food-grade, corrosion-resistant and high-precision

▣ Applications

1. Food Thermometer
2. Food Temperature Detection

Op. Temp. Range	-50°C~+300°C
TTC	≈3S (Medium: Liquid)
Withstand Voltage	NA
IR	NA
Nominal Resistance	R100=6.282KΩ±1%
B Value	B25/50=4016±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N009

▣ Features

High precision, high pressure resistance, fast response

▣ Applications

1. Water Heater Temperature Detection
2. Water Temperature Detection

Op. Temp. Range	0°C~300°C
TTC	≤10s (Medium: Liquid)
Withstand Voltage	AC1500V
IR	≥100MΩatDC500V
Nominal Resistance	R25=100KΩ±1%
B Value	B25/50=4200K±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.





■ EG-N012

▣ Features

High precision, high pressure resistance

▣ Applications

Gas stove dry-burn prevention temperature sensing

Op. Temp. Range	-50°C~+450°C
TTC	≈27s (in still air)
Withstand Voltage	AC1500V
IR	≥500MΩ at DC300V
Nominal Resistance	R25=10K±1%
B Value	B25/85=3435K±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



▣ Features

High precision, high pressure resistance, fast response

▣ Applications

1. Indoor air conditioner temperature sensing
2. Motor temperature detection

Op. Temp. Range	-40°C~+150°C
TTC	≈5s (in still air)
Withstand Voltage	AC1200V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=10KΩ±1%
B Value	B25/85=3435KΩ±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N019

▣ Features

High temperature resistance, high precision

▣ Applications

Gas Stove Anti-dry-burn Temperature Sensor

Op. Temp. Range	-20°C~+300°C Max350°C
TTC	≈15s (in still air)
Withstand Voltage	AC750V
IR	≥100MΩ at DC500V
Nominal Resistance	R200=1.1KΩ±5%
B Value	B100/200=4500K±5%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

Temperature Sensors for Industrial Equipment



■ EG-N015

▣ Features

High precision, high pressure resistance, high waterproof rating

▣ Applications

Cable temperature detection, electrical cabinet temperature detection, computer room temperature monitoring, fire temperature detection

Op. Temp. Range	-40~200°C
TTC	≈38S ((Medium: Air))
Withstand Voltage	AC1500V
IR	≥100MΩatDC500V
Nominal Resistance	R25=10kΩ ±1%
B Value	B25/50=3950K±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

■ EG-N017

▣ Features

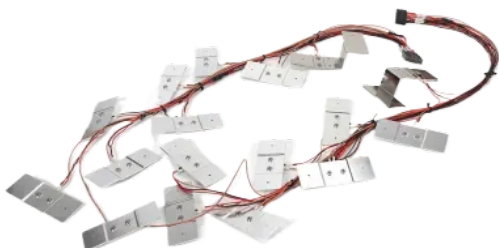
High precision, high pressure resistance, high waterproof rating

▣ Applications

Wire harness for voltage collection and temperature detection of CCS energy storage batteries

Op. Temp. Range	-20°C~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1500V
IR	≥100MΩatDC500V
Nominal Resistance	R25=10KΩ ±1%
B Value	B25/50=3950K ±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N028

▣ Features

High precision, high voltage resistance, fast response

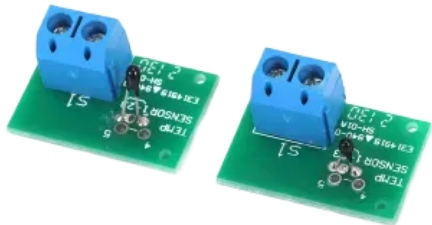
▣ Applications

Temperature detection for industrial control products, inverters and PLC modules

Op. Temp. Range	-40°C~250°C
TTC	≈10s (Medium: Silicone oil)
Withstand Voltage	AC1500V
IR	≥100MΩatDC300V
Nominal Resistance	R25=100kΩ ±2%
B Value	B25/50=3950K ±2%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.





■ EG-N039

▣ Features

Fast response & high precision

▣ Applications

For precision testers and precision equipment

Op. Temp. Range	-40~85°C
TTC	<3秒 (Medium: Air)
Withstand Voltage	NA
IR	NA
Nominal Resistance	R25=10KΩ±0.5%
B Value	B25/50=3634K±0.5%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

■ EG-N042

▣ Features

Corrosion resistant, high precision, high voltage resistance, high waterproof rating

▣ Applications

Cable temperature detection, electrical cabinet temperature detection, computer room temperature monitoring

Op. Temp. Range	-40~200°C
TTC	<38S ((Medium: Air))
Withstand Voltage	AC1200V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=100kΩ±3%
B Value	B25/50=4016K±3%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

■ EG-N047

▣ Features

Corrosion resistant, high precision, fast response

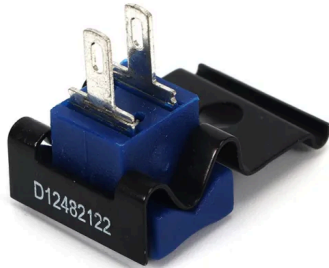
▣ Applications

Cable temperature detection, electrical cabinet temperature detection, computer room temperature monitoring

Op. Temp. Range	-40~200°C
TTC	<38S ((Medium: Air))
Withstand Voltage	AC1200V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=100kΩ±3%
B Value	B25/50=4016K±3%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

Temperature Sensors for Pipe Measurement



■ EG-N033

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 18\text{mm}$ Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N034

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 13\text{-}15\text{mm}$ Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N035

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 17\text{-}18\text{mm}$ Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N036

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 20$ mm Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

■ EG-N037

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 20$ -21mm Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N038

▣ Features

High voltage resistant, high accuracy

▣ Applications

Temperature Sensing for $\phi 27$ -28mm Pipes

Op. Temp. Range	-20~120°C
TTC	5-8S
Withstand Voltage	AC1500V
IR	$\geq 500\text{M}\Omega$ at DC300V
Nominal Resistance	$R_{25}=10\text{k}\Omega \pm 2\%$
B Value	$B_{25}/85=3435\text{K} \pm 1\%$

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



Temperature Sensors for Automotive Applications



■ EG-N006

▣ Features

High voltage resistant, high accuracy

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-20~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1800V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=10kΩ ±3%
B Value	B25/50=4200K ±3%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N007

▣ Features

High voltage resistant, high accuracy, waterproof

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-20~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1800V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=10kΩ ±3%
B Value	B25/50=4200K ±3%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N008

▣ Features

High voltage resistant, high accuracy, waterproof

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-20~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1500V
IR	≥100MΩ at DC500V
Nominal Resistance	R25=10kΩ ±1%
B Value	B25/50=3950K ±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N016

▣ Features

High voltage resistant, high accuracy, waterproof

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-20~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1500V
IR	≥100MΩ atDC500V
Nominal Resistance	R25=10kΩ ±1%
B Value	B25/50=3950K ±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N041

▣ Features

High temperature resistant, high accuracy, high voltage resistant

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-30~150°C
TTC	<18S (Medium: Liquid)
Withstand Voltage	AC1500V
IR	≥100MΩ atDC500V
Nominal Resistance	R25=10kΩ ±1%
B Value	B25/50=4200K ±1%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.



■ EG-N050

▣ Features

High voltage resistant, high accuracy, waterproof

▣ Applications

Suitable for temperature sensing of new energy control systems and multi-point temperature detection control systems

Op. Temp. Range	-20~200°C
TTC	≈30S (Medium: Air)
Withstand Voltage	AC1500V
IR	≥100MΩ atDC500V
Nominal Resistance	R25=10kΩ ±3%
B Value	B25/50=3950K ±3%

Customizable: Custom products available for different environments & temperature ranges, contact us for details.

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