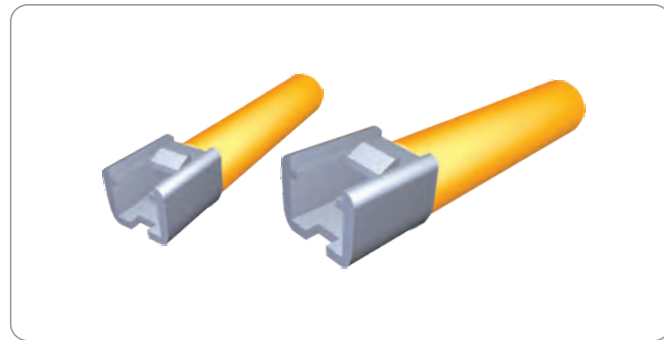


TEMPERATURE SENSOR



[OFFICE]

#401 Daeseo B/D, 1030-4, Bisan 3-dong,
Dongan-gu, Anyang-si, Gyeonggi-do, Korea
Tel. 82-31-381-8095 Fax. 82-31-381-8096
<http://www.samyoungtec.com>

[FACTORY]

267-15, Gajwa-ri, Baegam-myeon, Cheoin-gu,
Yongin-si, Gyeonggi-do, Korea



RELIABLE PARTNER!

Best Quality and Conviction
Will reach out to You.

Temperature Sensor



Sensor for High Duty Rechargeable Battery

Features Resistance : 10k Ω at 25 $^{\circ}$ C
B value : 3435k at 25 $^{\circ}$ C/85 $^{\circ}$ C
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application HEV, EV, ESS, E-Scooter



Sensor for Air conditioner(Room)

Features Resistance : 10k Ω at 25 $^{\circ}$ C
B value : 3970k at 25 $^{\circ}$ C/85 $^{\circ}$ C
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application Room temperature



Sensor for Water purifier

Features Resistance : Optional
B value : Optional
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

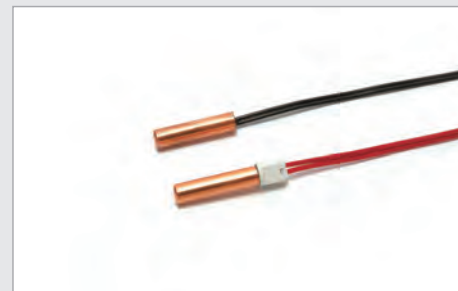
Application Water purifier



Sensor for Refrigerator

Features Resistance : Optional
B value : Optional
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application Refrigerator



Air conditioner(Evaporator)

Features Resistance : Optional
B value : Optional
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application Evaporator temperature



Sensor for Bidet

Features Resistance : Optional
B value : Optional
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application Bidet

Samyoung Your dream Technogy



Sensor for Boiler

Features Resistance : 17.6k Ω at 50 $^{\circ}$ C
B value : 3970k at 25 $^{\circ}$ C/85 $^{\circ}$ C
Operating temperature range :
-20 $^{\circ}$ C~+120 $^{\circ}$ C

Application Gas Boiler(Instant Water)



Sensor for Heat

Features Resistance : 10k Ω at 25 $^{\circ}$ C
B value : 3435k at 25 $^{\circ}$ C/85 $^{\circ}$ C
Operating temperature range :
-20 $^{\circ}$ C~+200 $^{\circ}$ C

Application High temperature



PT 100

- Composition : PT 100 ohm, Case(SUS), Screw(PT, PF, NPT), Bonding Tube, Wire, Connector
- Case Dimension(mm) : (3.2, 4, 5, 6) x L(30~120)
- Wire : PVC, Teflon(Silicon, Glass, Fiber, Shield, etc.)



Sensor for Heat sink

Features Resistance : 10k Ω at 25 $^{\circ}$ C
B value : 3970k at 25 $^{\circ}$ C/85 $^{\circ}$ C
Operating temperature range :
-20 $^{\circ}$ C~+80 $^{\circ}$ C

Application Measuring surface temperature

NTC Thermistor

- UL certificated
- Excellent RT specification responsiveness by various composition map



Radial NTC

- -40 ~120 $^{\circ}$ C application Temp
- Air-conditioner / Refrigerator / HA
- Automobile HVAC



Film NTC

- Polyimide film encapsulated
- good for space limited application
- temp. sensor / Battery pack



Chip in glass

- Application up to 300 $^{\circ}$ C
- Electric heater / Electric cooker
- Automobile engine etc.



Diode NTC

- Application up to 300 $^{\circ}$ C
- Electric heater / Electric cooker
- Automobile engine etc.



Greating

Samyoung produce a variety of NTC Thermistor temperature sensors with endeavoring to provide better quality. Main application field are home appliances, heating & cooling equipment, telecommunication equipment, electrical equipment and automobile.

We will further keep doing our best to be the best leader in thermistor industry by giving top priority on customers quality with challenging and creating spirit.

We give great thanks to all of you for your concern and support to us.
I wish you the best of luck!

Achievement

- ▷ 디자인 등록 출원
- ▷ 실용신안 등록 출원
- ▷ 특허 냉장고용센서 - 와이어 커넥터 타입 온도센서
- ▷ 특허 온도센서 - 하우징이 구비된 온도센서



Certificate

- ▷ ISO 9001
- ▷ ISO 14001
- ▷ 벤처기업



Customer

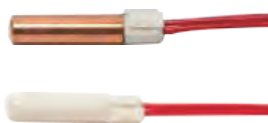


Temperature Sensor

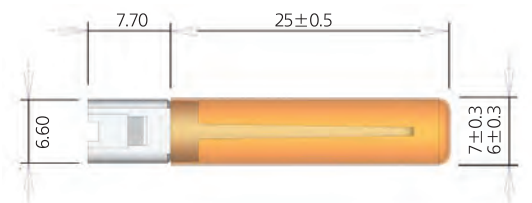
Finished product



Wire Harness Connected Products



SFC Specification



Temperature Sensor for AIR-Conditioner & Refrigerator

Operating temperature range	-30℃ ~ +100℃	Response time	Less than 10 sec(in stirred water)
Insulation resistance	Min 100M Ω , DC500V	Withstanding voltage	A.C 1,800V 1sec
Thermal cycle	(-30℃ ~ 100℃) X 300 Cycle	Heat resistance	100℃ X 1000hours
Humidity resistance	Constant high humidity (85℃, 85% RH) 1000hours		

Temperature Sensor for AIR-Conditioner & Refrigerator

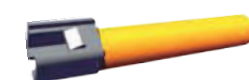
	Soldering Type	Soldering Type	Soldering Free Type
Picture			
Structure			
NTC-Thermistor	Radial Type	Radial Type	Radial Type
CASE	Copper	Copper	Copper+PBT
EPOXY	Epoxy resin	Epoxy resin	Epoxy resin
Connection	Soldering	Soldering	Pin Connector Type
Lead wire	PVC-wire	PVC-wire	PVC-wire

This responsiveness is excellent.
(20 seconds stuffing in air)

The simple A / S

The manufacturing process is simple.

SFC TYPE



It is possible to shorten the customer's process

It is possible sharer

Reduce costs and shorten delivery time