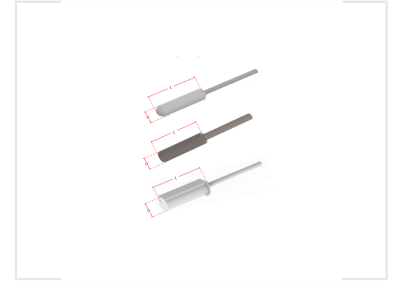
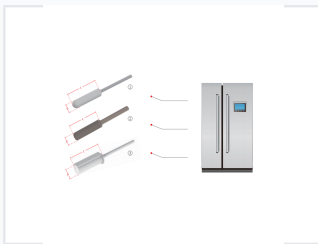


Temperature Sensor for Refrigeration Equipment

This temperature sensor is designed for use in refrigeration equipment. It features excellent low-temperature performance and a low annual drift rate.



ADDITIONAL IMAGES



Product Overview

Professional Refrigeration Temperature Sensors

These high-precision temperature sensors are engineered specifically for demanding refrigeration environments, including refrigerators, freezers, and industrial cooling machinery. Designed for rapid response times of 15 to 30 seconds, they ensure optimal energy efficiency and precise temperature monitoring. The construction features excellent low-temperature performance and a low annual drift rate, guaranteeing long-term stability and reliability in diverse cold storage applications.

Key Features

Performance Metrics

15 s

Min Time Constant

30 s

Max Time Constant

Performance Characteristics

Low Annual Drift, Excellent Low-Temp Performance, High Response Speed

Technical Specifications

产品特点 FEATURES

- 低温性能优异
Excellent low temperature performance
- 时间常数为15-30s
Time Constant: 15-30s

- 年漂移率低
Low annual drift rate

应用领域 APPLICATION

- 冰箱冷藏、冷冻、蒸发器温度
The temperature of cold storage, freezer, evaporators for refrigerator

主要技术参数 TECHNICAL PARAMETERS

| 类别 Product Type | 型号 Type | D (mm) | L (mm) | 标称温度 Nominal Temp (°C) | 标称电阻 Nominal Resistance (kΩ) | B 值 B Value | 工作温度 Operating Temperature |
|--------------------|--------------|------------|-----------|------------------------------|------------------------------------|----------------|-------------------------------|
| 1 | WF5B602XX000 | φ6.0 | 25 | 0 | 6 | 3298(0/25) | -40°C ~ +80°C |
| | WF5C602XX000 | φ7.0 | 25 | 0 | 6 | 3416(0/25) | -40°C ~ +105°C |
| | WF5H502XX005 | φ6-7 | 25 | 5 | 5.06 | 3839(5/25) | -50°C ~ +80°C |
| | WF5H602XX000 | φ6-7 | 25 | 0 | 6.35 | 3830(0/25) | -50°C ~ +80°C |
| 2 | WF5H173XX-18 | φ6-7 | 25 | -18 | 16.9 | 3771(-18/25) | -50°C ~ +80°C |
| | WF5H193XX-20 | φ6-7 | 25 | -20 | 18.91 | 3770(-20/25) | -50°C ~ +80°C |
| | WF5I163XX000 | φ8.0 | 30 | 0 | 6.33 | 3931(25/50) | -40°C ~ +80°C |
| 3 | WF5I323XX000 | φ9.8-10.45 | 30-43.5 | 0 | 32.51 | 3977(25/85) | -40°C ~ +80°C |

Detailed technical specification table for available sensor models.

Sensor Model Specifications

| Model | Nominal Temp (°C) | Nominal Resistance (kΩ) | B Value | Operating Range (°C) |
|--------------|-------------------|-------------------------|--------------|----------------------|
| WF5B602XX000 | 0 | 6 | 3298(0/25) | -40 to +80 |
| WF5C602XX000 | 0 | 6 | 3416(0/25) | -40 to +105 |
| WF5H502XX005 | 5 | 5.06 | 3839(5/25) | -50 to +80 |
| WF5H602XX000 | 0 | 6.35 | 3830(0/25) | -50 to +80 |
| WF5H173XX-18 | -18 | 16.9 | 3771(-18/25) | -50 to +80 |
| WF5H193XX-20 | -20 | 18.91 | 3770(-20/25) | -50 to +80 |
| WF5I163XX000 | 0 | 6.33 | 3931(25/50) | -40 to +80 |
| WF5I323XX000 | 0 | 32.51 | 3977(25/85) | -40 to +80 |

Applications

Primary Applications

- Household Refrigerators
- Freezer units
- Evaporator temperature monitoring
- Industrial cold storage systems