

## THシリーズ - ねじ止め白金温度センサ

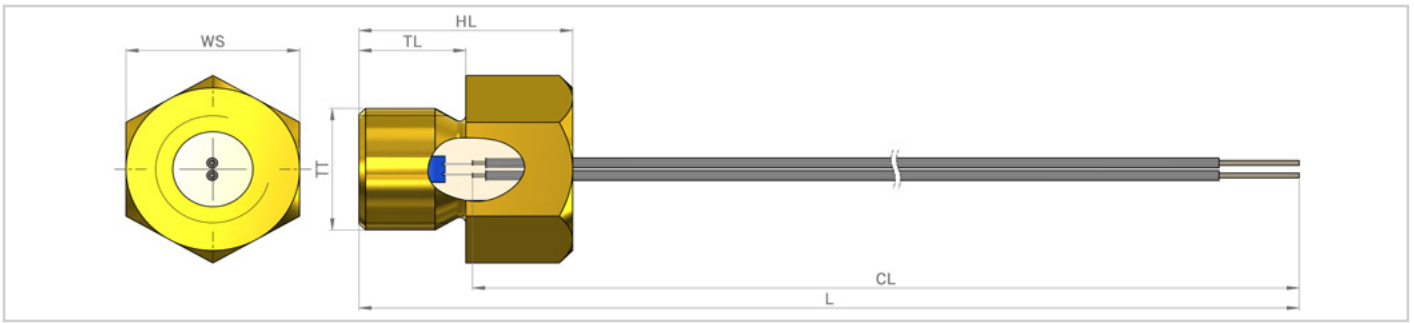
使用温度範囲 -40°C ~ +250°C

### 性能特性

- 優れた熱伝導性
- 固定式センサ
- 取付簡単
- DIN EN IEC 60751に準拠

### アプリケーション事例

- HVAC
- バスバーシステム
- ヒートシンク
- モーターとベアリングハウジング



画像はイメージです

### 寸法と材質

| No. | 製品タイプ       | 素子の抵抗値<br>$R_0$ [ $\Omega$ ] | 寸法と公差 (mm) |                |                 |                 |                 |                 | 導体          |      |   | 品番       |
|-----|-------------|------------------------------|------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------|------|---|----------|
|     |             |                              | ねじの<br>タイプ | TL             | HL              | WS              | CL              | L               | コア<br>(AWG) | 絶縁   | 色 |          |
| 1   | TH16G1/8-T8 | Pt100 / F 0.3                | G1/8       | 8<br>$\pm 0.2$ | 16<br>$\pm 0.2$ | 13<br>$\pm 0.2$ | 200<br>$\pm 10$ | 196<br>$\pm 10$ | 26/01<br>Ni | PTFE | 白 | 30010007 |
| 2   | TH16G1/8-T8 | Pt1000 / F 0.3               | G1/8       | 8<br>$\pm 0.2$ | 16<br>$\pm 0.2$ | 13<br>$\pm 0.2$ | 200<br>$\pm 10$ | 196<br>$\pm 10$ | 26/01<br>Ni | PTFE | 白 | 30010000 |

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### パフォーマンスデータ

| No. | 温度範囲             | ハウジングの材質  | 耐電圧AC (ハウジング) | 応答性<br>水流 (v = 0.4 m/s) |          | 引張強度 [N] | 導体抵抗 [Ω/m]  | アプリケーション |
|-----|------------------|-----------|---------------|-------------------------|----------|----------|-------------|----------|
|     |                  |           |               | T0.5 [s]                | T0.9 [s] |          |             |          |
| 1   | -40 °C ~ +250 °C | 2.0401 真鍮 | 500 V, 10 s   | 3.8                     | 4.9      | > 85     | 0.69 ± 10 % | 多目的      |
| 2   | -40 °C ~ +250 °C | 2.0401 真鍮 | 500 V, 10 s   | 3.8                     | 4.9      | > 85     | 0.69 ± 10 % | 多目的      |

### 温度係数

TCR = 3850 ppm/K

### 測定電流

Pt100 Ω: 0.3 ~ 1.0 mA

Pt1000 Ω: 0.1 ~ 0.3 mA

(自己発熱を考慮する必要があります)

### センサ素子の自己発熱係数

0.4 K/mW at 0 °C

### カスタマイズオプション

- 外形寸法
- 導体サイズと材質
- センサの抵抗値
- コネクタ
- 認証 (例: IMDS、PPAP、IP規格)

さらに詳しい情報が必要ですか? センサアカデミーをぜひご覧ください!



RoHS  
compliant

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