

Temperature Sensor (for Cell Surface)

Mass-Produced Product

Since 2009

- Measures cell surface temperature by integrating with CCS*
- Stable contact on the cell surface through simple mounting structure using resin springs

Background or assignment

Demand for compact and lightweight sensors that can reliably detect the temperature on the cell surface

Solutions to Challenges

Features

- Ensures high temperature measurement performance by firmly pressing the sensing part against the cell with resin springs
- Integration with CCS* allows for delivery as a set, eliminating the need for installation of temperature sensors

Specifications/Functions

Supply voltage: $5.0 \pm 0.5V$

Operating temperature: $-30^{\circ}C$ to $80^{\circ}C$

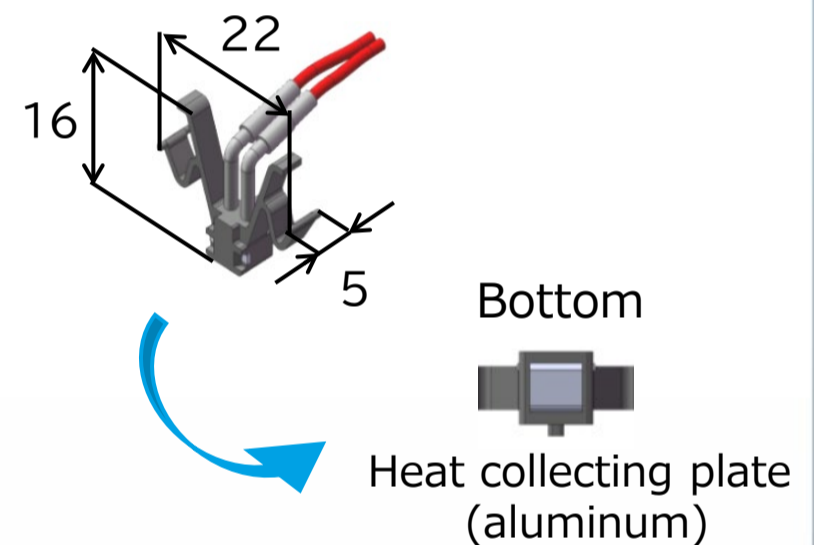
Resistance value: $10k\Omega \pm 1\%$

B constant: $3,435K \pm 1\%$

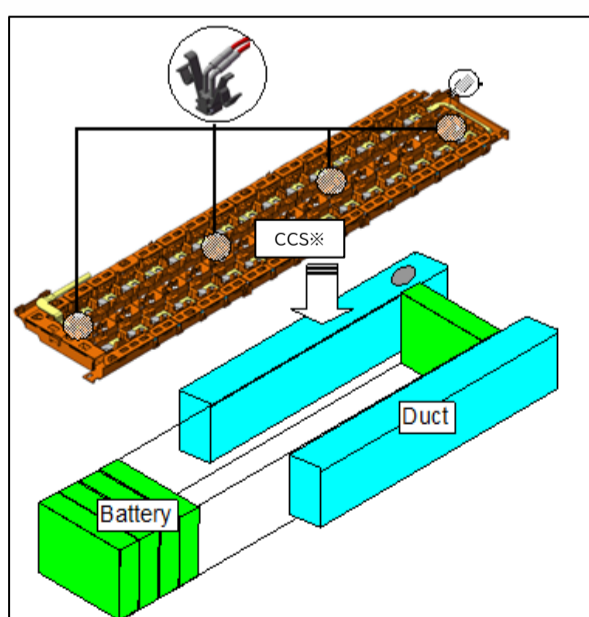
Insulation resistance: $\geq 100M\Omega$

(when DC 1,000V is applied)

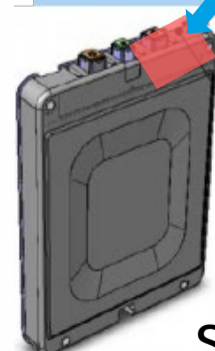
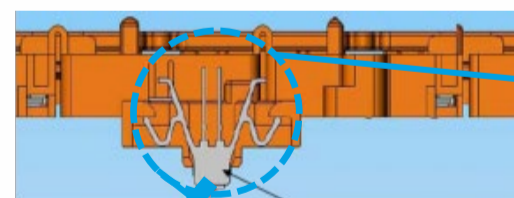
* CCS: Cell Contacting System



Installation image



Temperature sensor integrated with CCS*



Square cell

