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

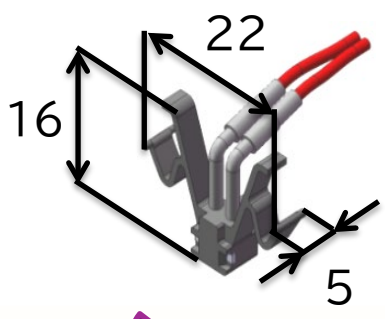
Background or Challenges

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

Solutions to Challenges or Features

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



Bottom

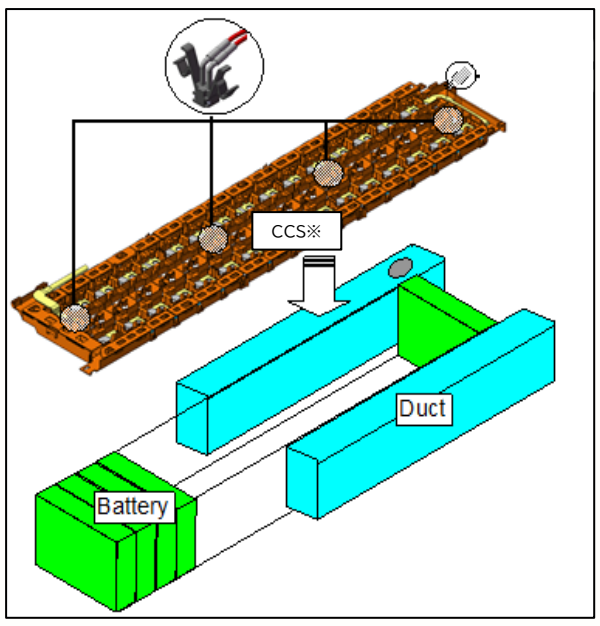
Heat collecting plate (aluminum)

Specifications/Functions

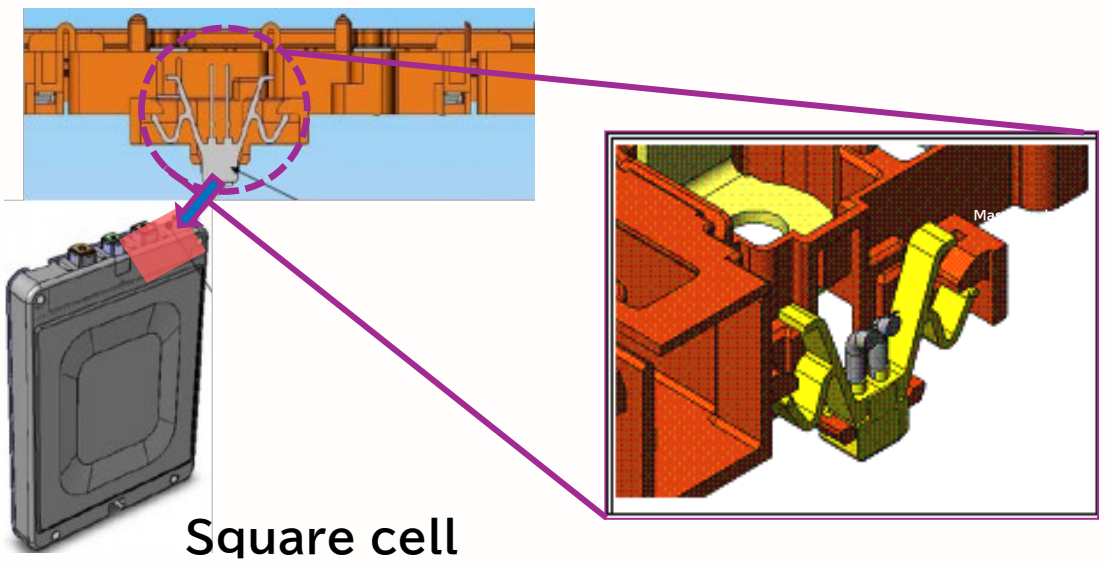
Supply voltage: 5.0±0.5V
Operating temperature: -30°C to 80°C
Resistance value: 10kΩ±1%
B constant: 3,435K±1%
Insulation resistance: ≧100MΩ
(when DC 1,000V is applied)

* CCS: Cell Contacting System

Installation image



Temperature sensor integrated with CCS*



Square cell

YAZAKI