

12. Measurement of high-temperature molten ceramic

A level of highly heated molten ceramic can be measured consecutively without touching the object.

Measuring principles

Install shielded electrodes on molten ceramic away from each other.

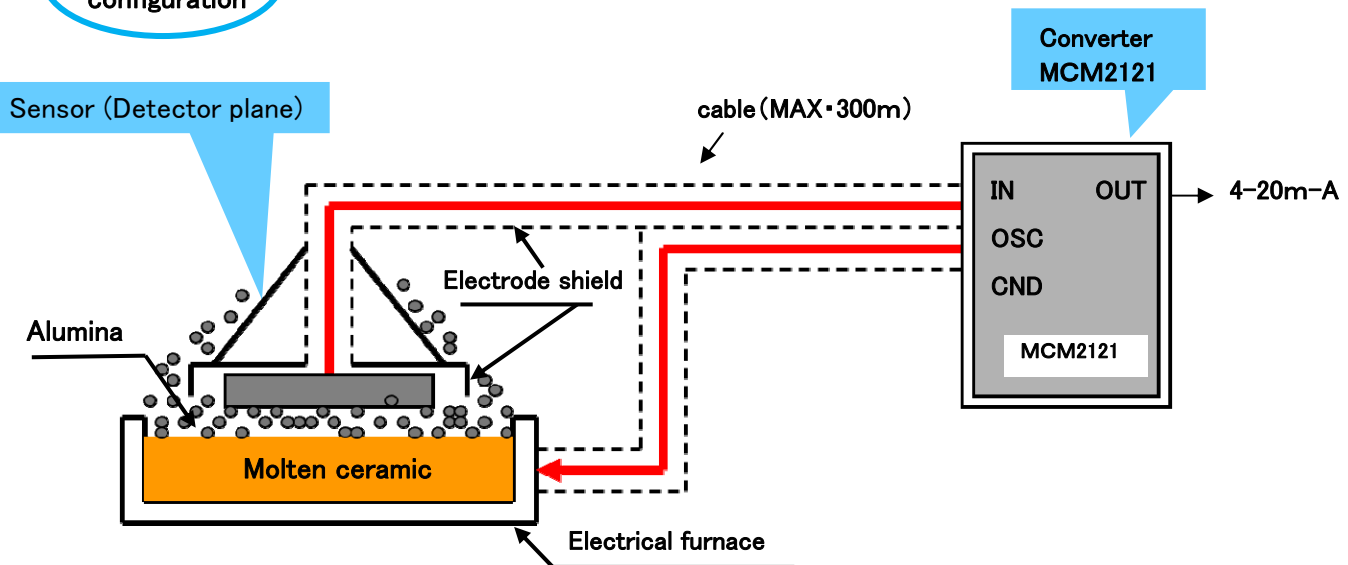
Measure the electric property between the molten ceramic and the open space.

That is the distance between the electrodes and the molten ceramic.

Mystar series does not require an electronic circuit on its electrode head and can be installed in a place away within 300 m. This enables a measurement without influence of a cable's capacitance.

The distance to molten metal can be measured even when the probe head is exposed at high-temperature.

Equipment configuration



How to use

Probe

A linearizer will be designed with special materials, heat expansion, etc. that can tolerate at high-temperature.

Employed Probe

Uses 300 meters of 2 core individual shield. Or, uses a cable manufactured for high-temperature when the terminal position is high.

Converter

Use Mystar MCM2121 which is developed as All Purpose Electrode-Type Level Switch.