

11. Backlash measurement of high-temperature metal plates

A backlash of a heated metal plate can be measured consecutively on the line without contacting the object.

Mystar MCM2000 MYM3100 series

Measuring principles

Set the shielded electrodes on molten metal away from each other.

The signature feature of this product is that it's shielded.

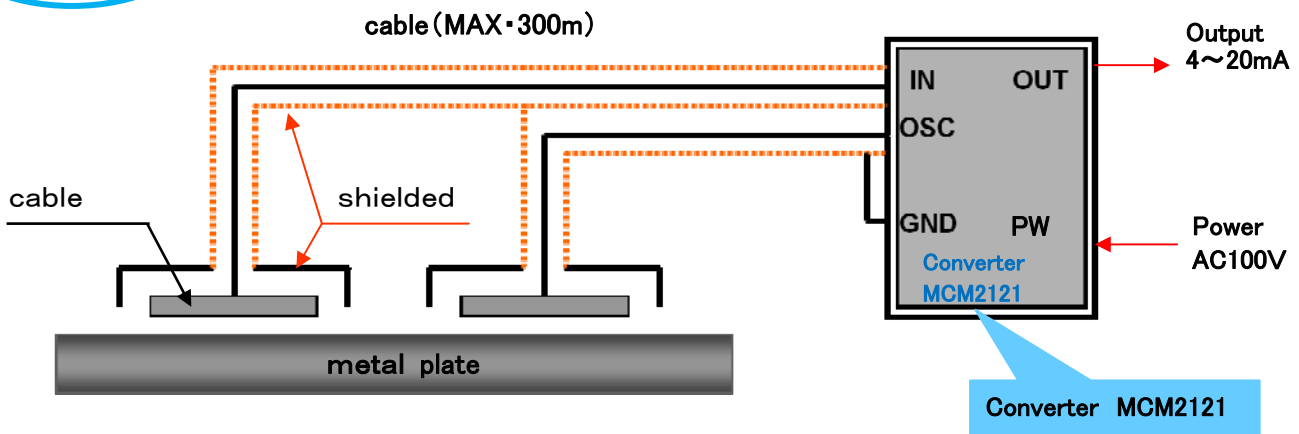
Measure the electric property between those electrodes and the metal plate.

This indicates the distance between those electrodes and the metal plate.

If an electrode is fixed, backlash of a metal plate can be easily measured.

Mystar series, requiring no electric circuits in their electrode heads, is capable of taking measurement even when its electric circuit device is located 300 m distant from the object to be measured, so as to minimize any influence of capacitance.

Equipment configuration



How to use

Probe

It is specifically designed to tolerate at high-temperature.

Employed cable

Uses 300 meters of 2 core individual shield.

Converter

Use Mystar MCM2121 which is developed as All Purpose Electrode-Type Level Switch. If you do not require high accuracy, a combination of MYM3110 with one flat plate probe will be sufficient enough.