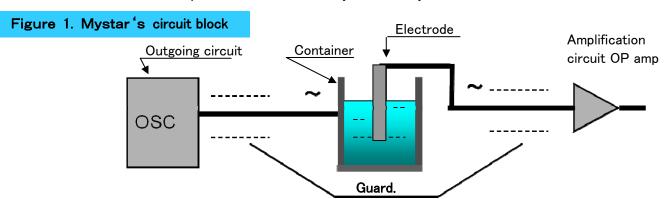
17. Principles and the features of level measurement with Mystar

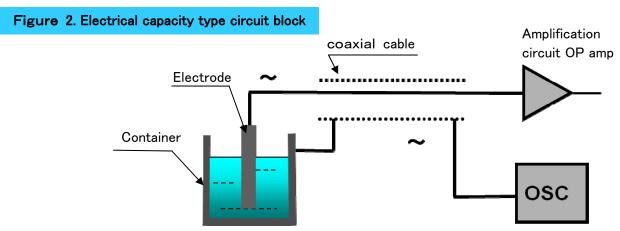
All Purpose Electrode-Type Level Switch Mystar series enables to measure from ultra-low temperature liquid gas to high-temperature or high-pressure liquids, utilizing the high-frequency wave principles.

Measuring principles

There is no electrical circuit on its electrode head and capable of measuring the hight of liquid surface consecutively without any influence of cables.

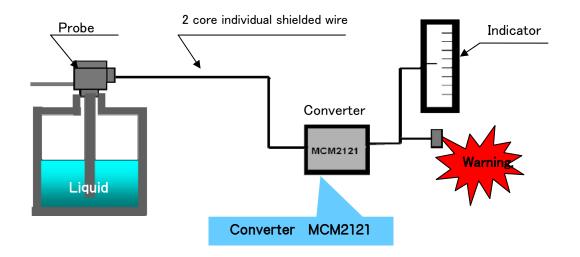


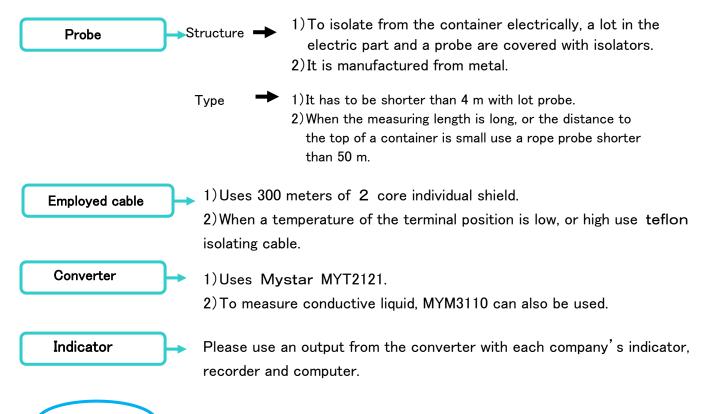
To measure only a part of admittance which is not guarded, only capacitance between the container and the electrode can be measured. Even very small changes can be measured with a high degree of accuracy. (Primary content 0p F)



By measuring capacitance between the container and the electrode via a coaxial cable, capacitance in the coaxial cable can also be measured at the same time. (Primary content more than 30 pF) Changes in the coaxial cable cause an accidental error.

Equipment configuration





Features

- 1 There is no electrical circuit on its probe head and can be installed in places at ultra-low or high temperature.
- 2 Capable of measuring from 0p F, and can operate with a small electrode.
- 3 By utilizing an electrical guard shield, measurement without any influence of environment is accomplished.
- 4 Even when liquid type has been changed, using the reference probe promises measurement with a high degree of accuracy.

