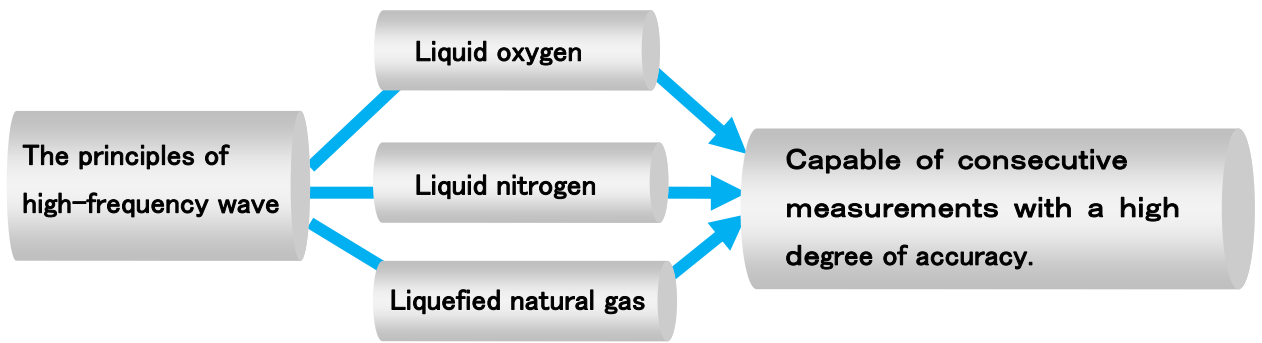


6. Measurement of liquefied gas



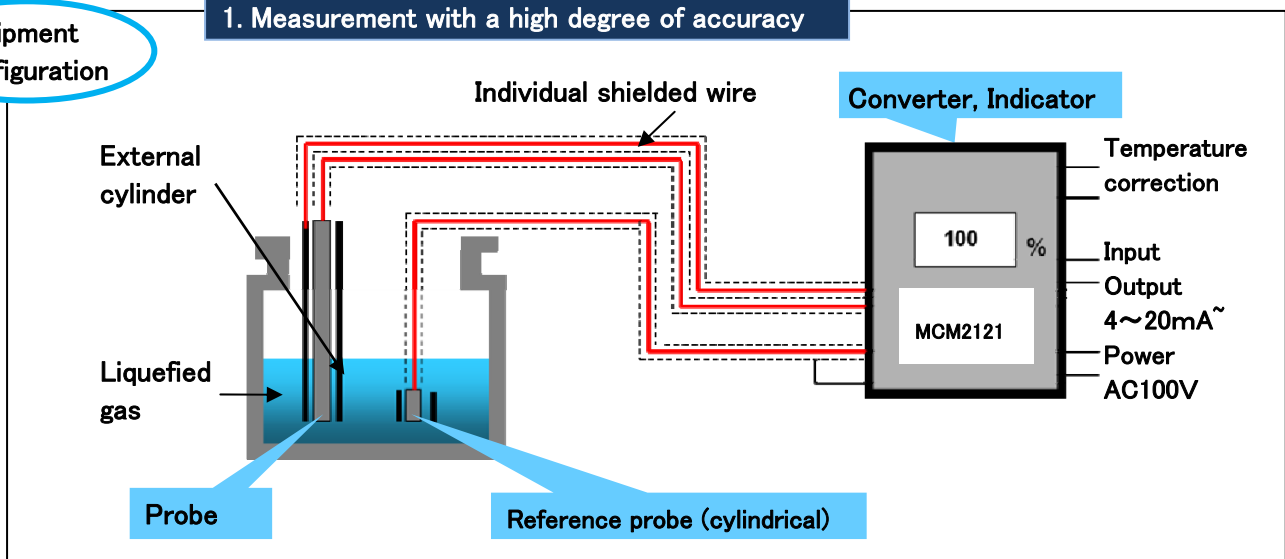
A series of Mystar level switches enables to measure liquefied gas which is normally preserved in extreme cold conditions successfully.

Measuring principles

Measure the admittance between double layer cylinders with very small electric current. With Mystar series, electronic circuits can be installed in a distance place. This enables measurement without any influence of capacitance.

Equipment configuration

1. Measurement with a high degree of accuracy



2. Simplified construction

If you do not require high performance application, there will be no need to include the reference probe and will use Mystar MYM3110 instead. There is no digital display, but inputs analog 4 - 20m.

How to use

Probe

Designed to tolerate ultra-low temperature

Employed cable

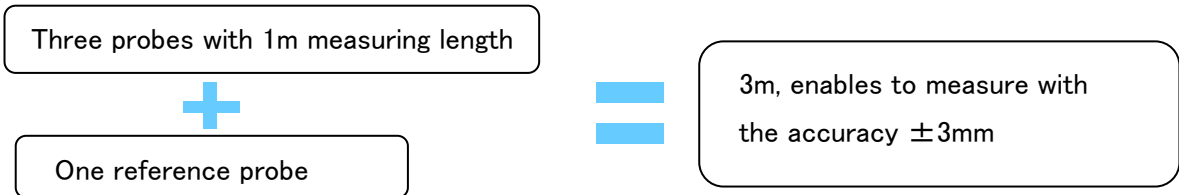
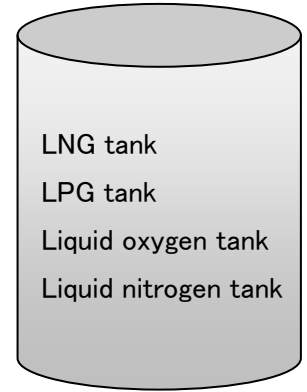
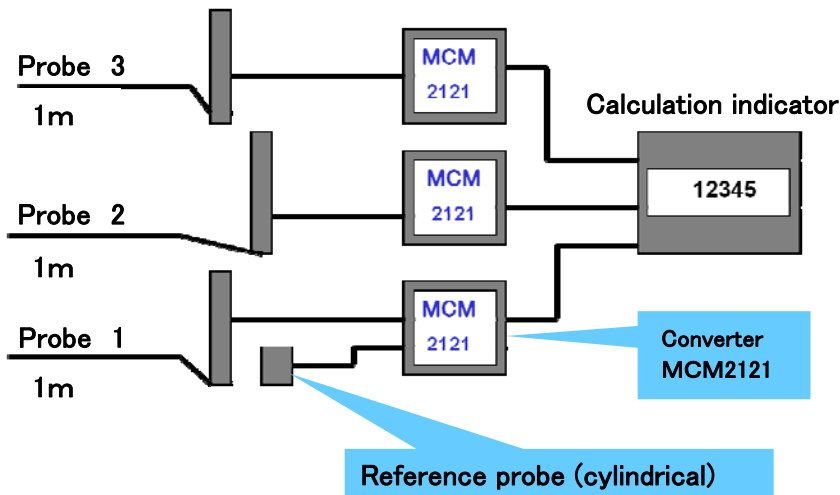
Uses 300 meters of 3 core shielded wire. If the temperature of the terminal (1) was low, the cable for low temperature should be used.

Converter

By using the probe and MCM2121, the accuracy of 0.25% can be accomplished. MYM3110 combined with one cylindrical probe is able to create a sufficient accuracy.

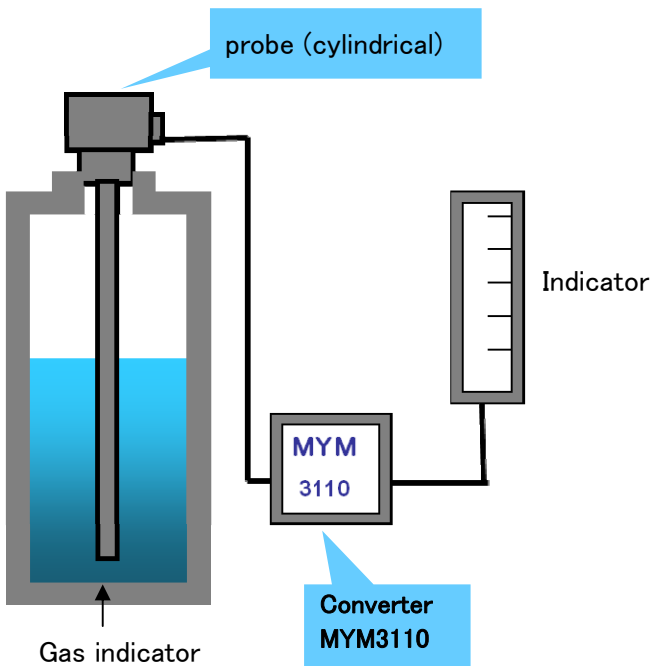
Application examples

Level measurement with an ultra-high accuracy



Level measurement within a liquid oxygen gas cylinder

(High or low temperature) 50 kg, cm³, -192°C (LN2) also available



Micro level switch

Experiment equipment, etc.

