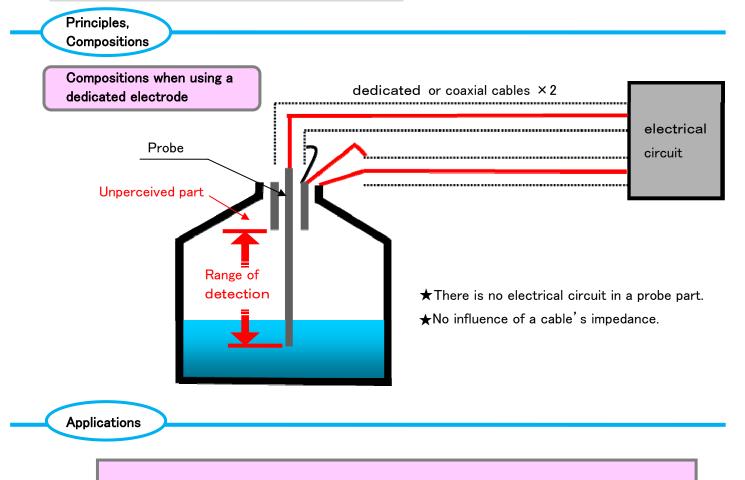
18. Features of level measurement with Mystar

All Purpose Electrode-Type Level Switch Mystar series maintains the features of conventional electrode-type level switches, but also redeems their downsides.

Features

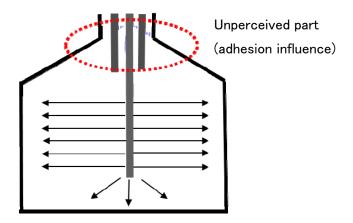
- (1) Accepts a wide temperature range from -273° C to $+400^{\circ}$ C
- 2 Accepts High-pressure: Accepts many conditions such as vaccum, or high-pressure (200kg, cm etc.)
- ③ Only small influence of adherence. There will be no influence of adherence on the root of the sensor.
- (4) Sanitary structure. Sanitary structure is also OK. With the structure for isolation provision which has troubles with thermal shock etc., there will be no trouble with OPI cleaning.
- (5) Measurement with a high degree of accuracy: Can measure from admittance 0.
- 6 From small type to Large type (ϕ 3 to ϕ 200m), a wide range of sensors are available.
- 7 Caustic liquid: Capable of measuring caustic liquids.



- Liquefied gas: Suitable for level measurement of ultra-low temperature and high-pressure objects such as liquid nitrogen, liquid oxygen, liquefied hydrogen, LNG etc.
- ② Feedback tank: Suitable for level measurement within containers which becomes ultra-high temperature and high-pressure.
- 3 Molten metal: measures the distance to liquid and convert it to a level, by using the electrode plate which does not contact the liquid.

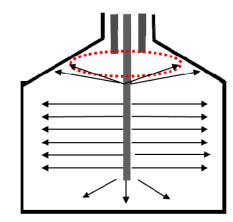


Mystar's measurement method



Electromagnetic lines are in parallel





A place where an electrode has high density and has the bestsensiti vity (largeinflue nce of adhesion)

Electromagnetic lines are dense with an isolated part on the base of the container,

Measurement method of capacitance



which caused a large influence of the upper part's adhesion.

No influence of the upper part adhesion.