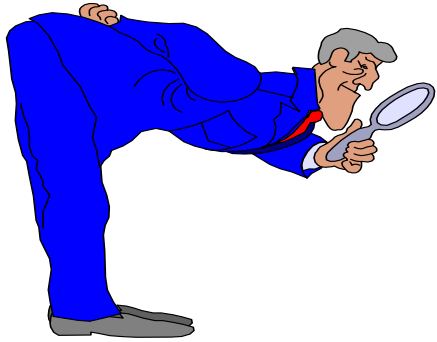




오도촉정



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

(Thermowell)

- 7.
- 8.
- 9.
- 10. Bimetal
- 11.
- 12.

1. ?

1. Plant가

Plant Loop

가 가

2. Plant

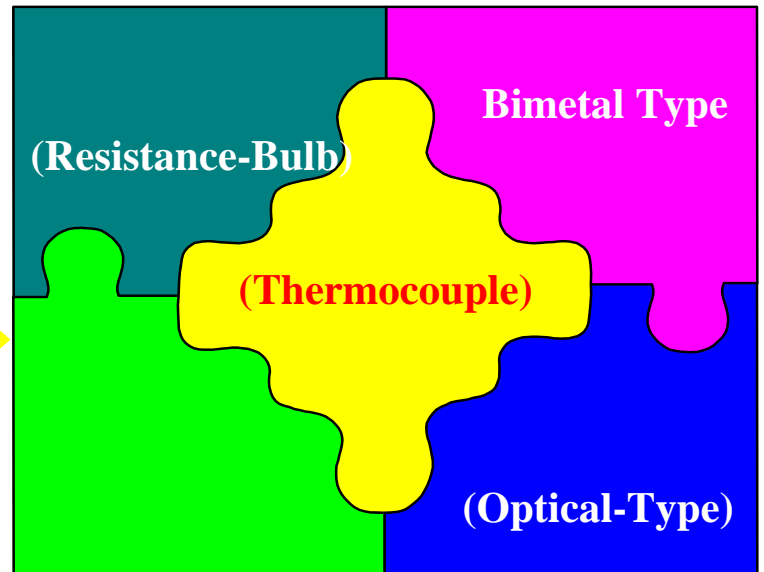
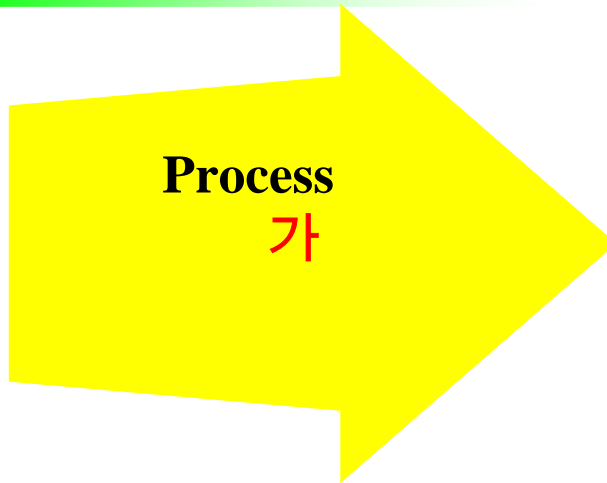
50%

3. Plant

가

Plant

2.



4.

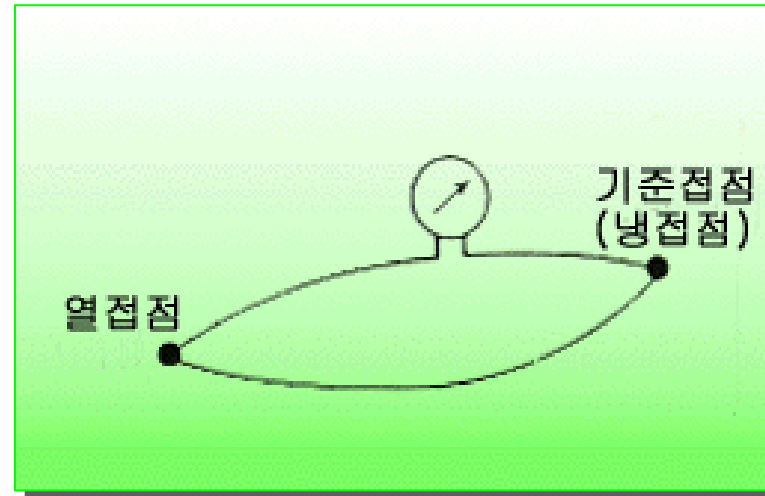
1)

1821 (Thomas J Seebeck)

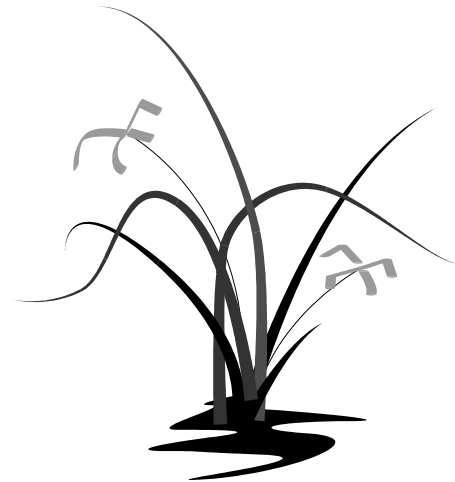
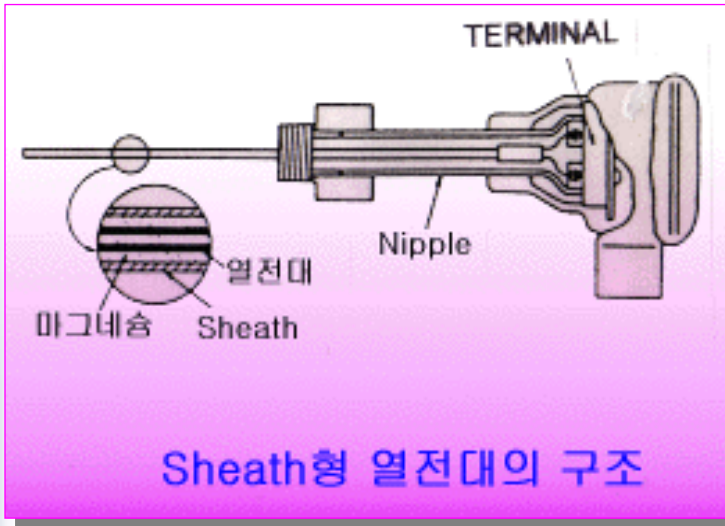
가

(seebeck Eff'

)



4.



2)

가

Sheath Type

.Sheath Type

Response가

가

(Sheath)

5.

K-Type	+ : Chromel - : Alumel	0 °C~1000 °C	가
J-Type	+ : Iron - : Constantan	0 °C~600 °C	H ₂ ,Co 가
T-Type	+ : Copper - : Constantan	-200 °C ~300 °C	
E-Type	+ : Chromel - : Constantan	-200 °C ~700 °C	,
R-Type	+ : Platinum - : Rhodium	600 °C ~1500 °C	가 , 가 .

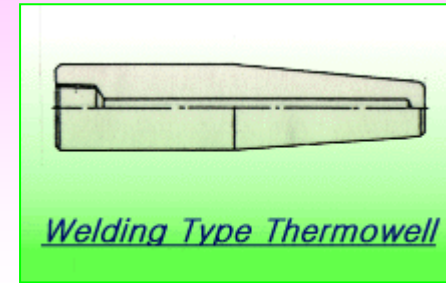
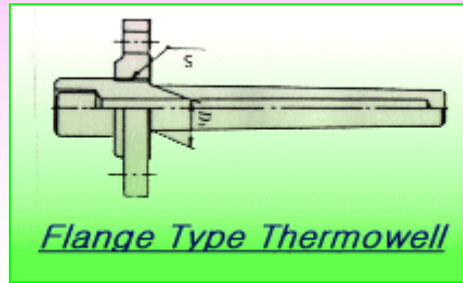
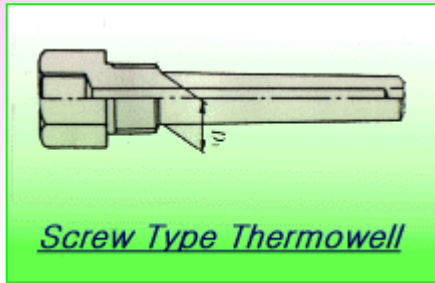
1. : Sheath . Noise

2. : Sheath . 가 . Noise

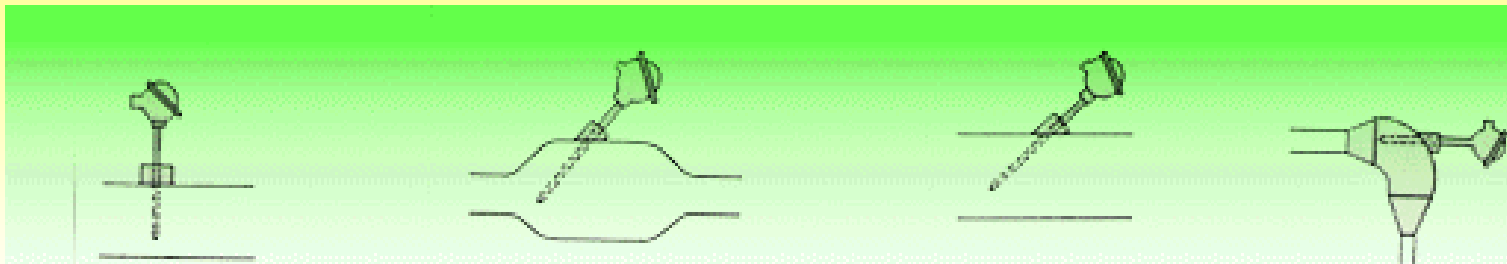
3. :Sheath , 가
가 .

6. Thermo-Well

1.



2.

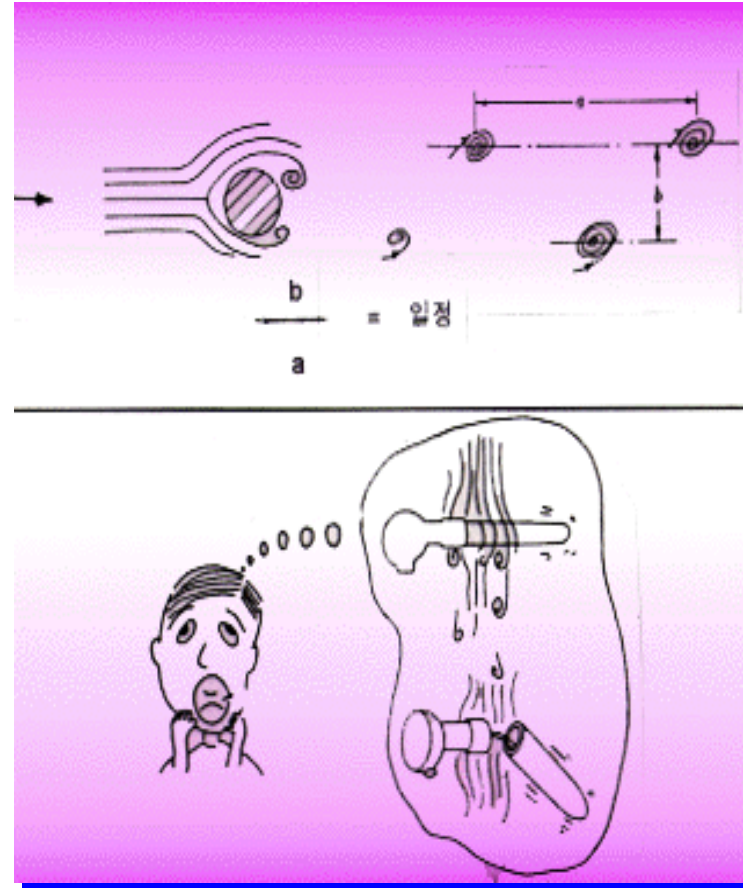


Thermowell의 설치방법

7.

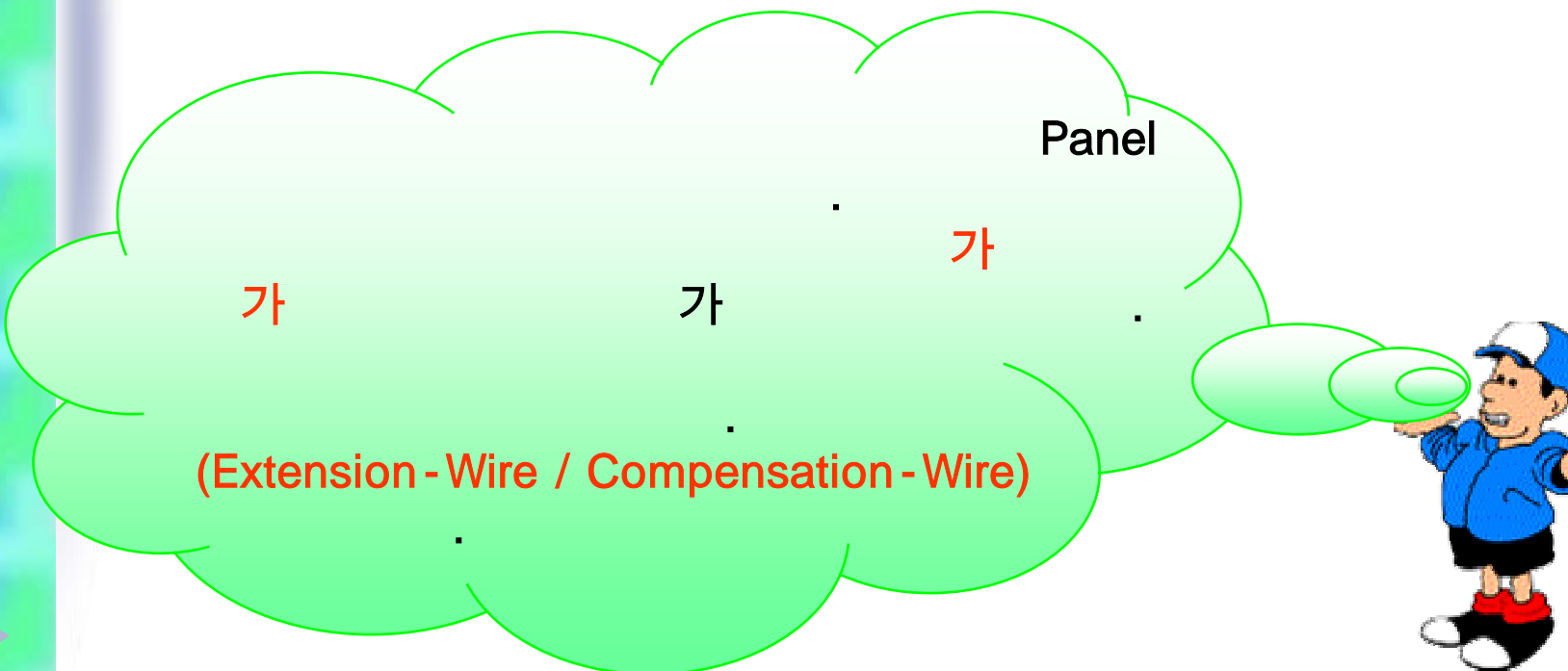
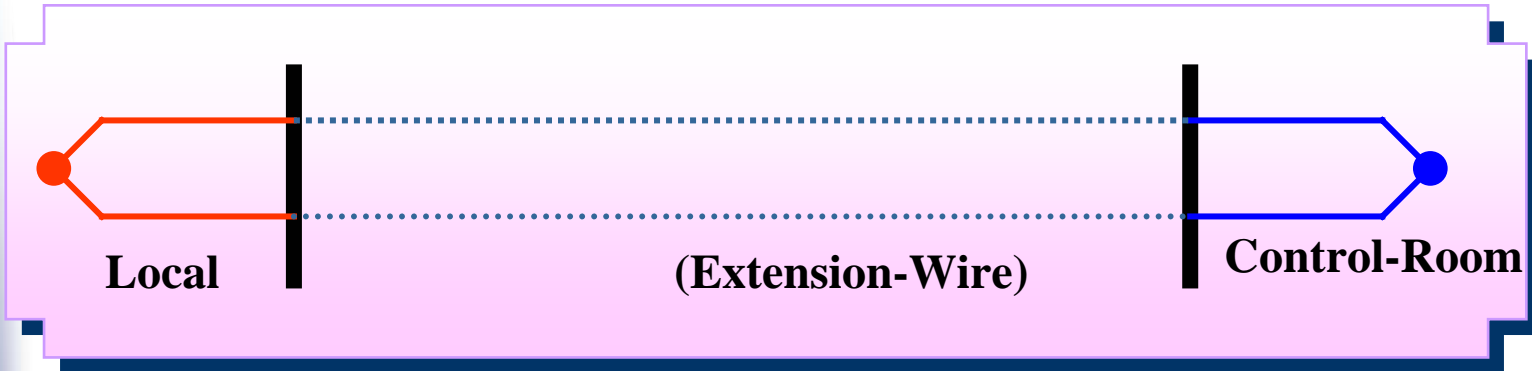
가 가

Wire



20 m/s

8.



9.

1.

가

2.

-200 C ~ +200 C°

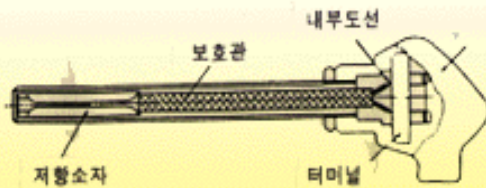
3.

가

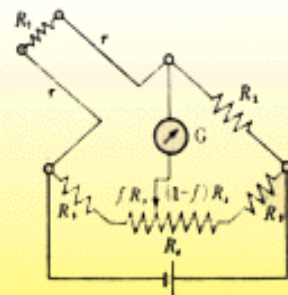
가

4.

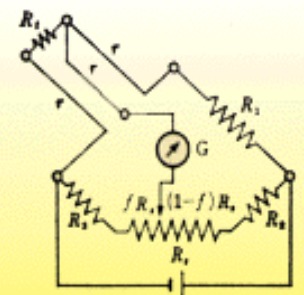
가



측온저항체의 구조

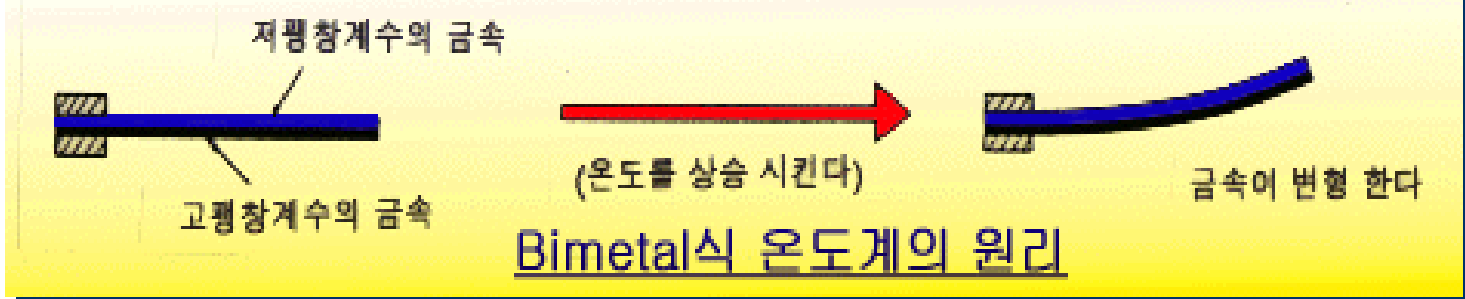


2선식 측정 방법



3선식 측정 방법

10. Bimetal



1. Bimetal

가

가
가

2.

가

(90%

)

3.

가

Range

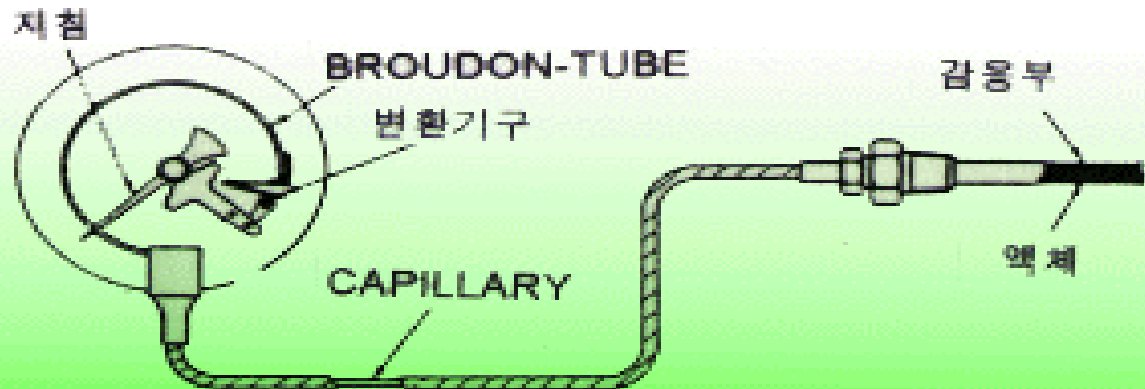
-50 C°~+500 C°

.



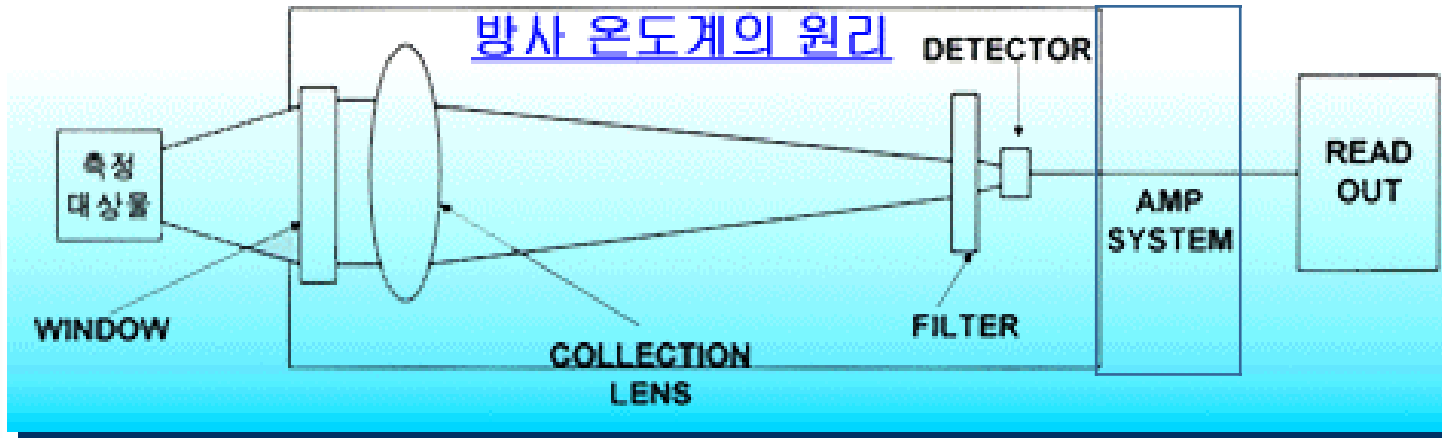
11.

1. , , (Capillary - Tube) Gas .
2. Gas가
3. Bourdon - Tube 가 2 .
4. Range $0\text{ }^{\circ}\text{C} \sim +500\text{ }^{\circ}\text{C}$.



액체충만 압력식 온도계의 원리

12. (Pyro-meter)



1.

가

2.

가

3.

가

가