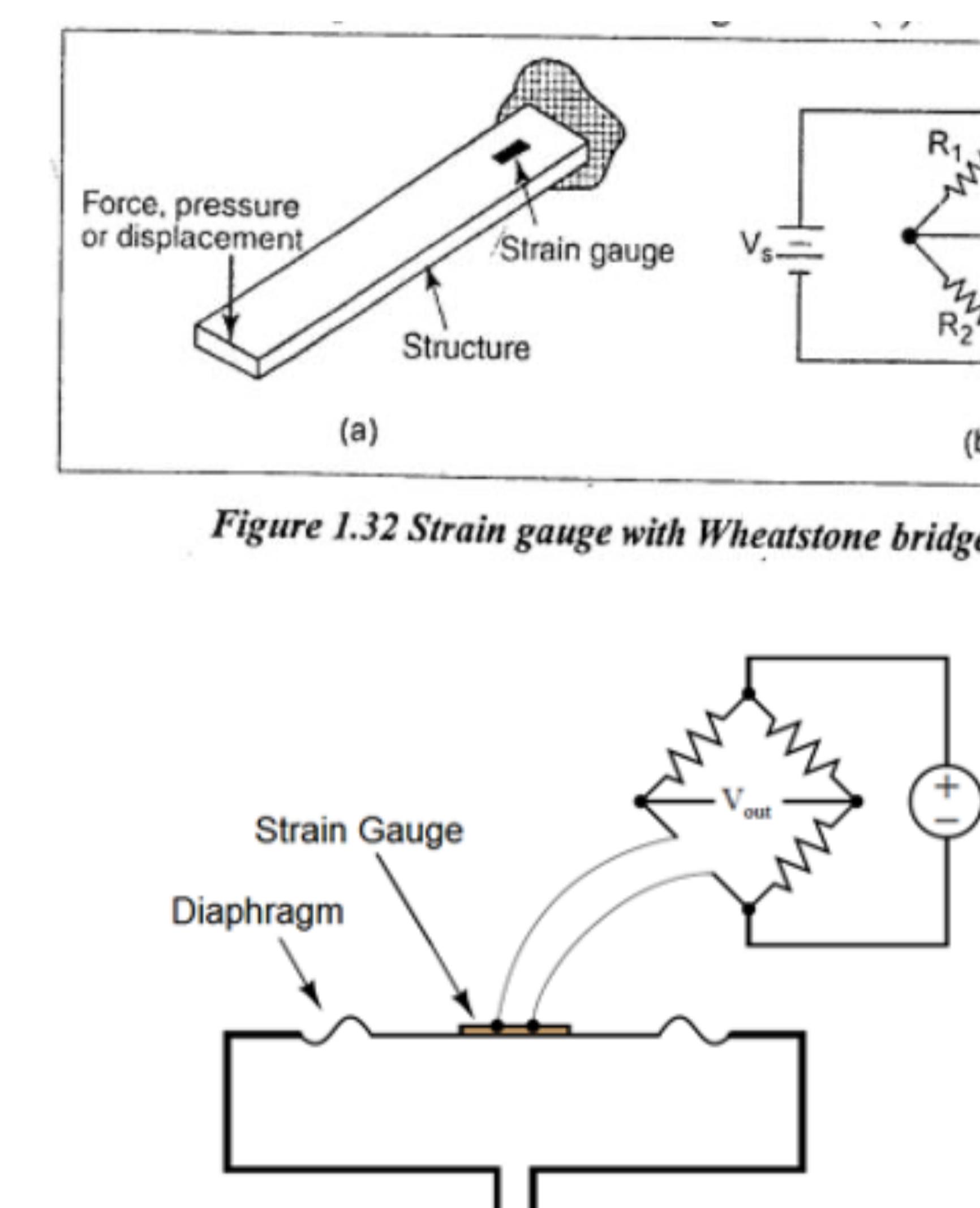
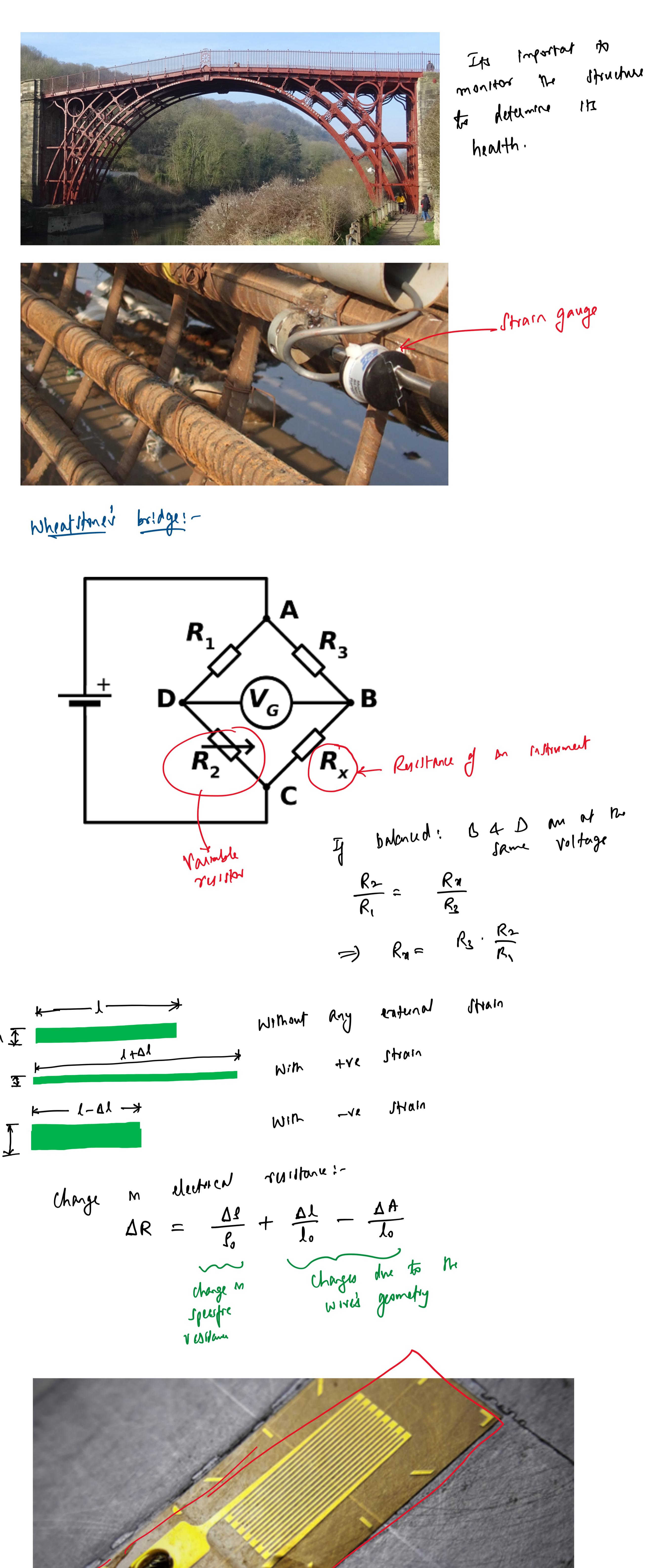
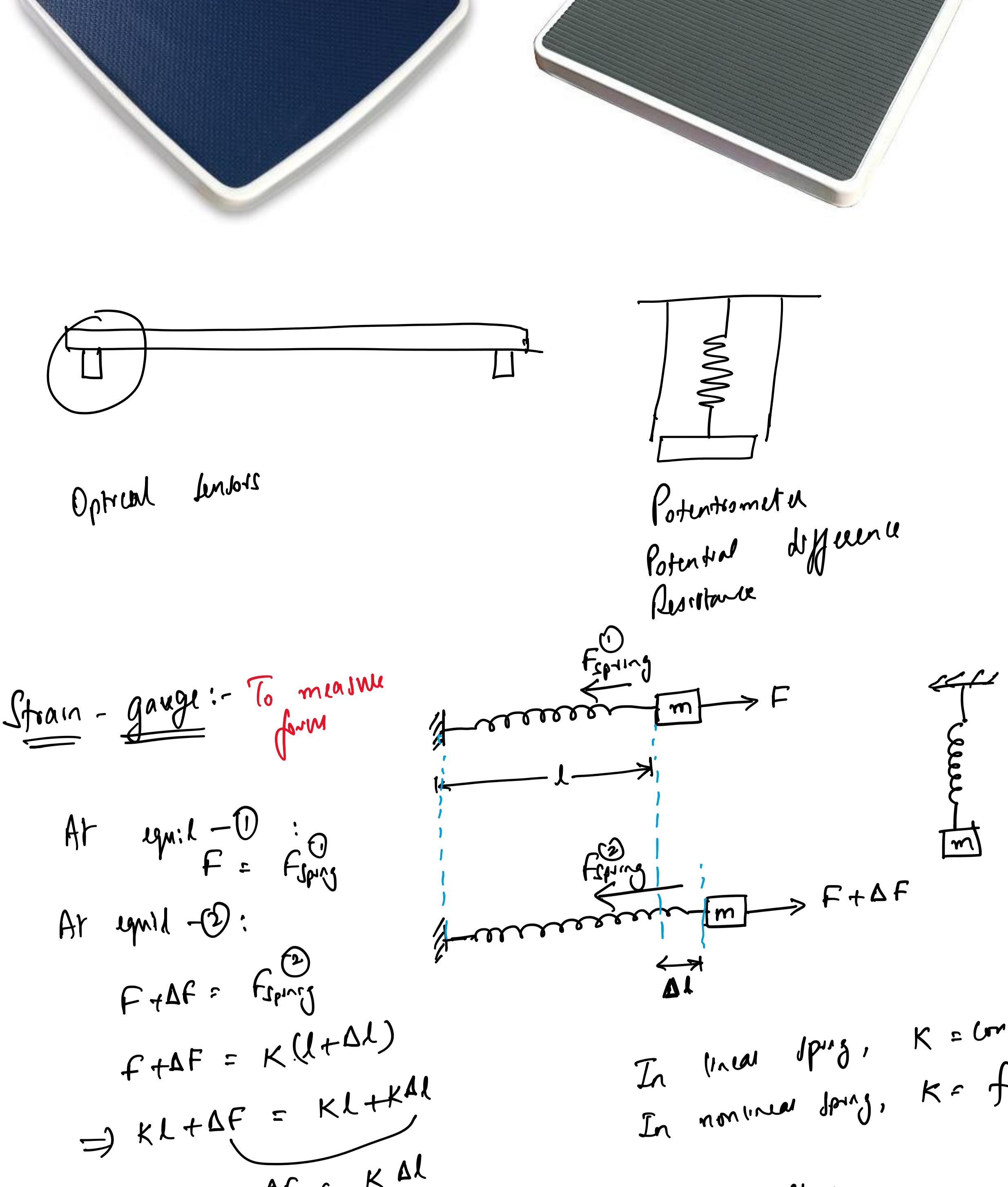
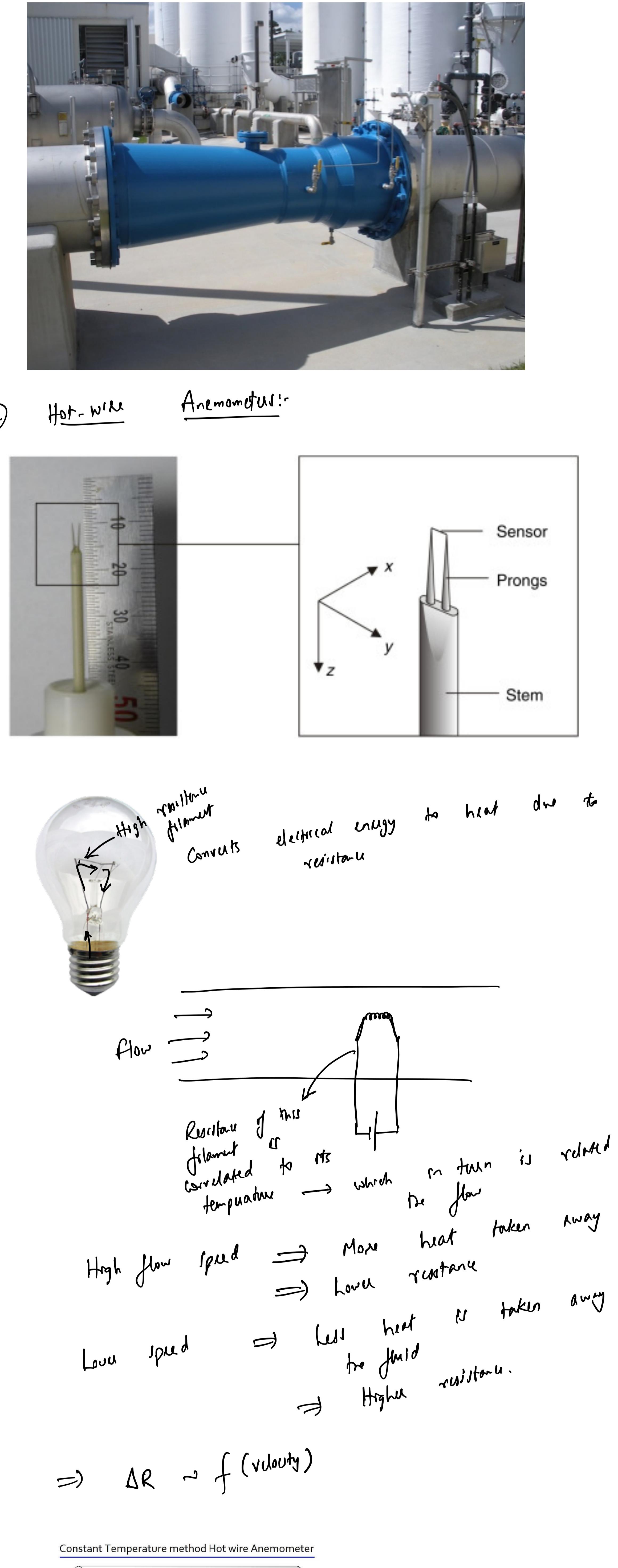


## Measurement devices

Tuesday, 8 February 2022 4:25 PM



It's important to monitor the structure to determine its health.



$$\Delta R = \frac{\Delta l}{l_0} + \frac{\Delta l}{l_0} - \frac{\Delta A}{A_0}$$

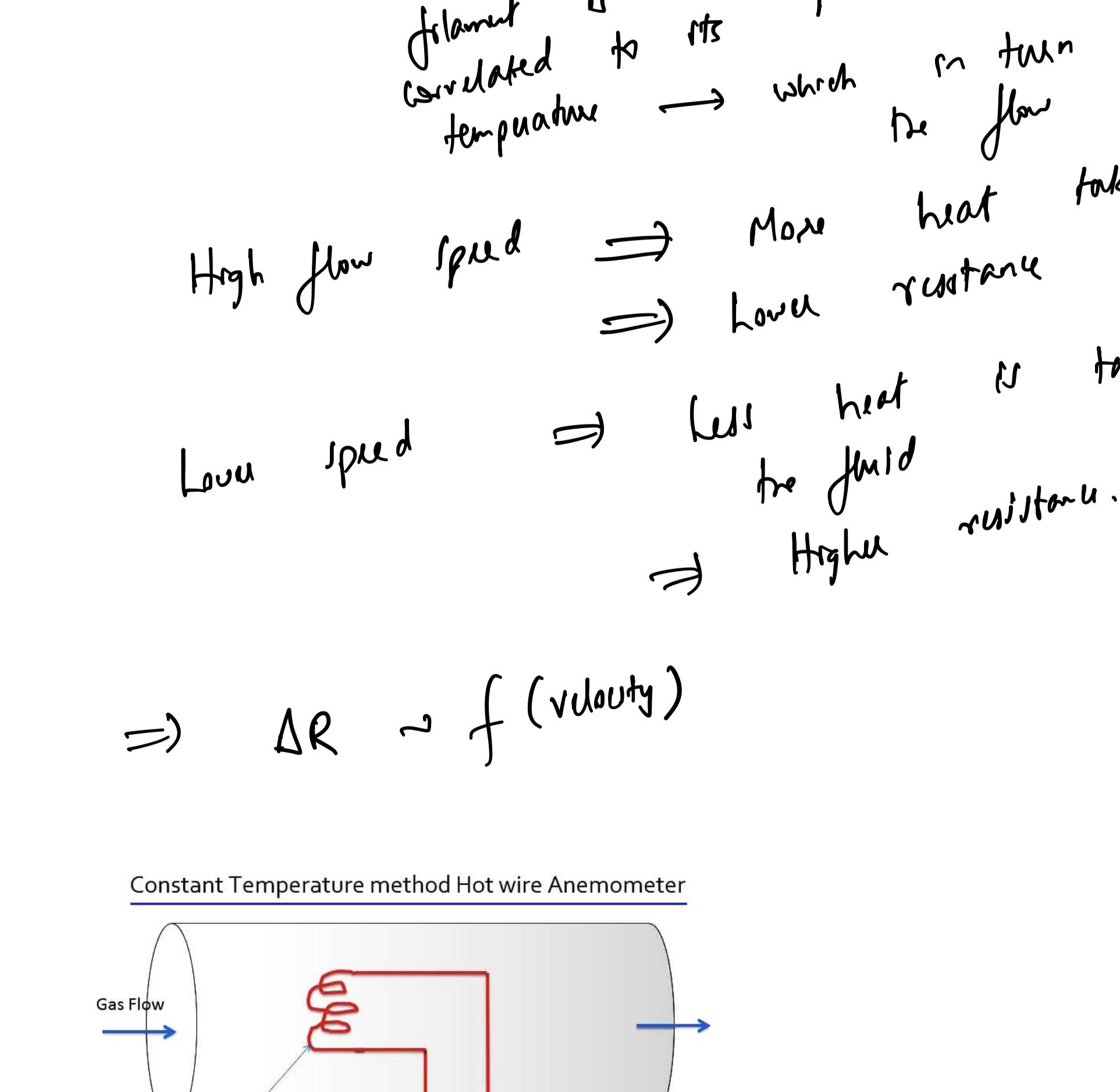
charge due to specific resistance

$$\Rightarrow \delta \left[ \left( \frac{U_1 A_1}{A_2} \right)^2 - U_1^2 \right] = 2 \Delta P$$

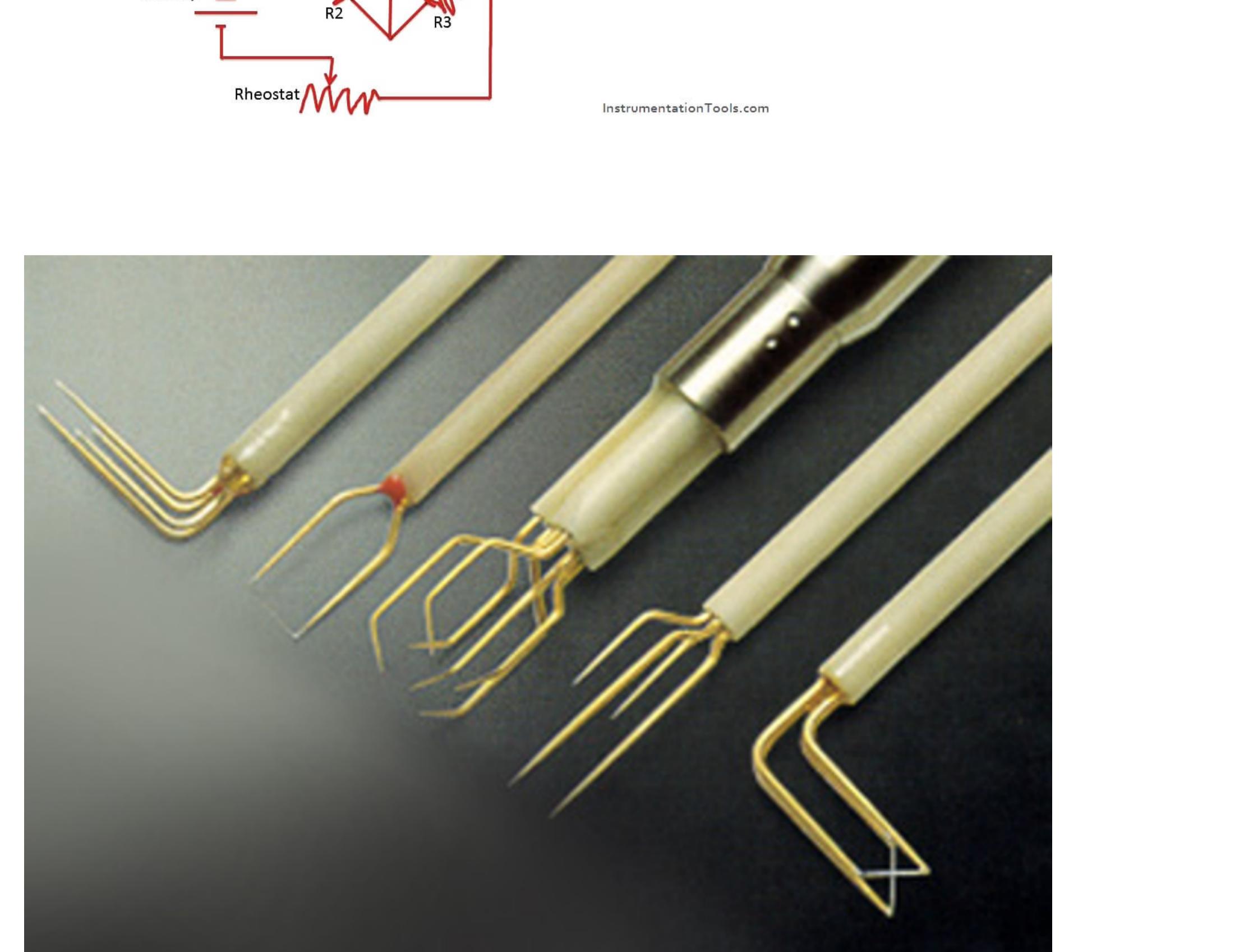
Determine  $U_1$

$$\Rightarrow \Delta R \sim f(\text{velocity})$$

Constant Temperature method Hot wire Anemometer



② Hot-wire Anemometer:-



$$\Rightarrow \Delta R \sim f(\text{velocity})$$

Constant Temperature method Hot wire Anemometer

