

- iii A wheatstone bridge changed the resistance value and turns it into a voltage. This reading will then be output by/on a recorder.

e) Non-linearity is the relationship of output/input being exactly linear is rare. When an output curve is produced a maximum error can then be determined for either input or output quantity. This would be shown as a percentage of the full range. (either input or output)

Non-linearity equation

$$N/L_{in} = \frac{\Delta x}{x} \times 100\%$$

$$NL_{out} = \frac{\Delta y}{y} \times 100\%$$

