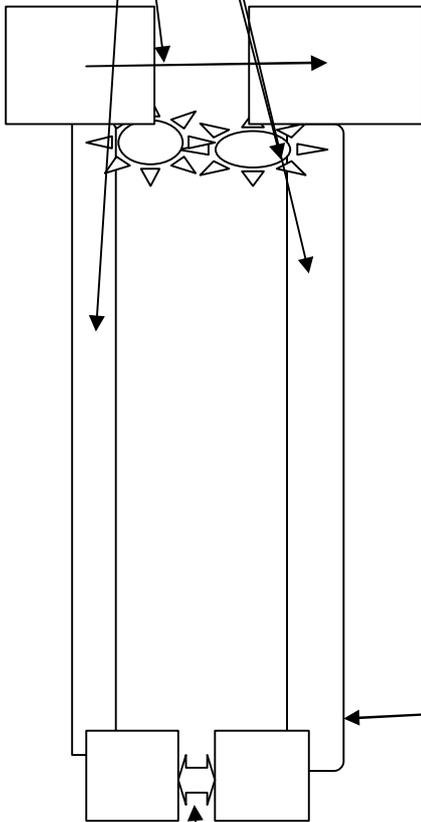


The arrow is the tension spring there is one on the back also

Gearing

Probe arm internal external

Probe head



On old machine where cam was used and no gearing when the probes were closed the scales showed 4.5Kg and load cell showed 4,5 kg ,

Note the cam was only used to open the probes and removed ie the head were floating and only the springs were involved .

Now the gearing is in while open and closed are they acting against each other ?

Pulled on with digital fishermans scale 10.2 Kg at 1mm separation from internal head

Load cell value displaying 4.5 Kg