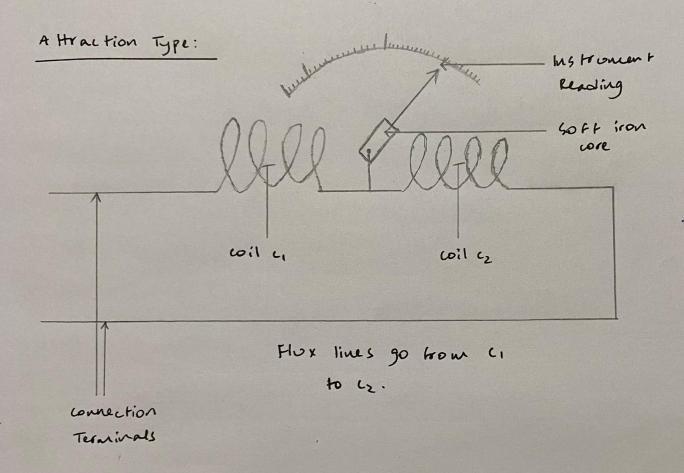
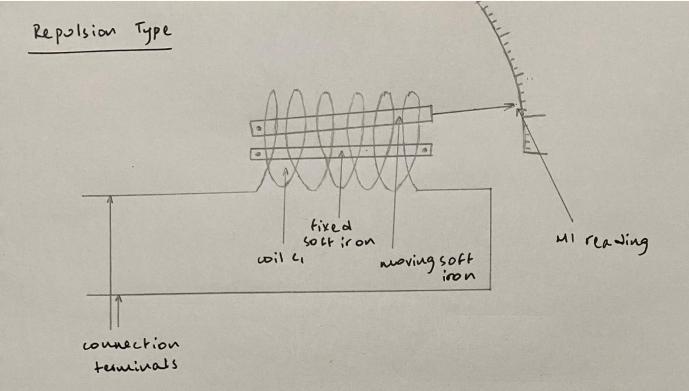
MI stands for moving iron, which is the primary component for the operation of these instruments. There are 2 types of moving iron instruments - attraction and repulsion type.



Since flux lines 30 hom c, to cz, the soft iron is a tracted towards cz, giving the settletion that can be measured.

The soft irons pointer is connected with a spring, which

counters the deflection. When the torque of deflection equals the torque that the spring exhibits, the pointer will be at equillibrium. Since the deflection of the pointer depends on the current and the iron were is being attracted by the strength of the flux, this an attraction type III Instrument.



As flux is created through the will ci, a north and south pole are created, in reaction to this, the soft iron cores will start to repel each other since they are alighed with the flux lines. The fixed soft iron cannot more, and only one side of the movable soft iron is tree. This side moves and gives a reading. The repulsion force is proportional to the square of the worrent. Because the soft iron cores are repelling, this is the repulsion type of 11 instrument.

Aspect	PMMC	и
working Principle	The conductor will is used to measure	A coff iron were influenced by the wills is used to measure
current Type	can only measure DC.	can measure AL and DC.
Damping Type	uses air or liquid type damping. But commonly eddy wrrent damping	Mostly uses air or Huid damping
De Hution with wrrent	De Hection is proportional to wrrent	to wrrent squared.