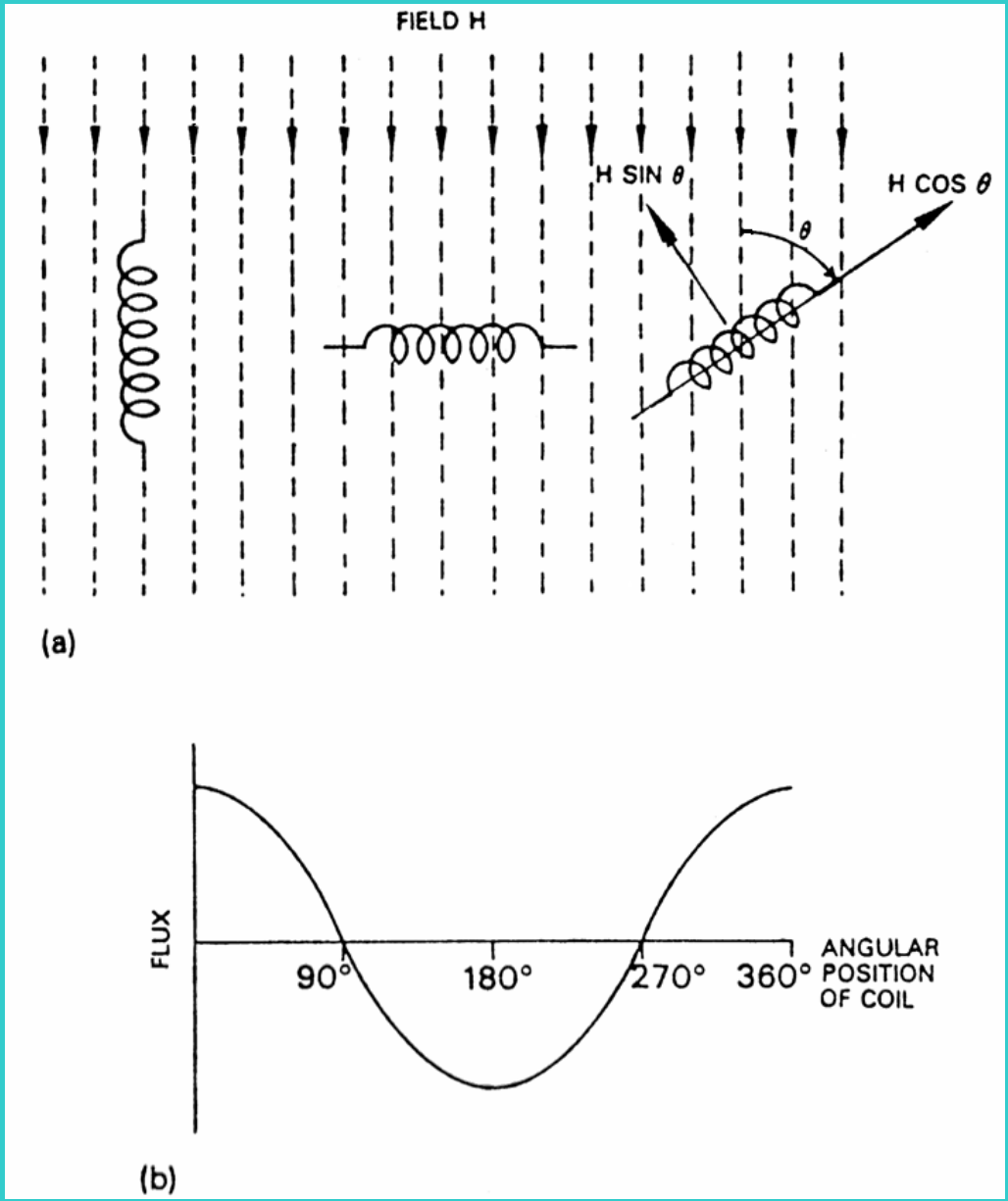
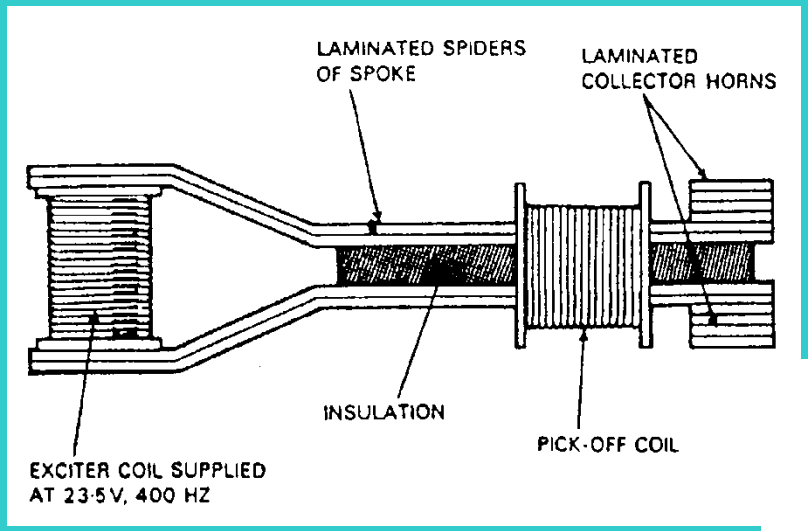
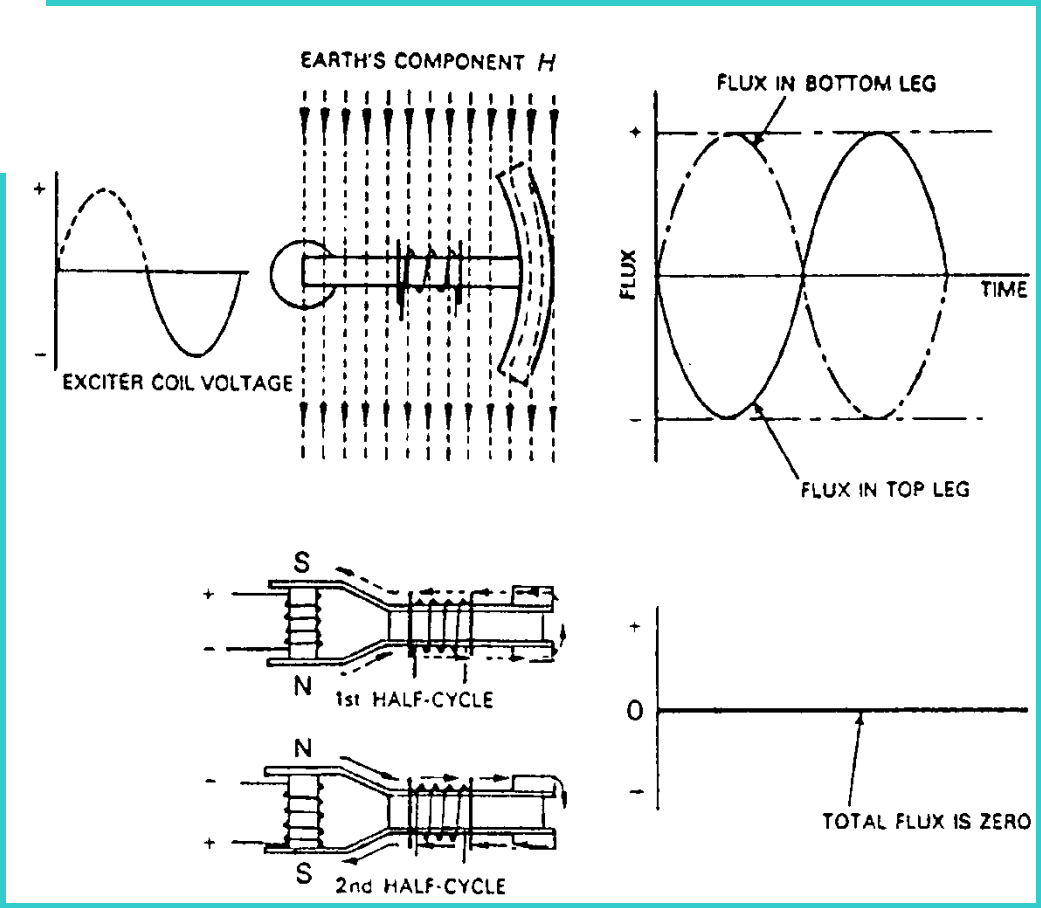
Sensore campo magnetico terrestre



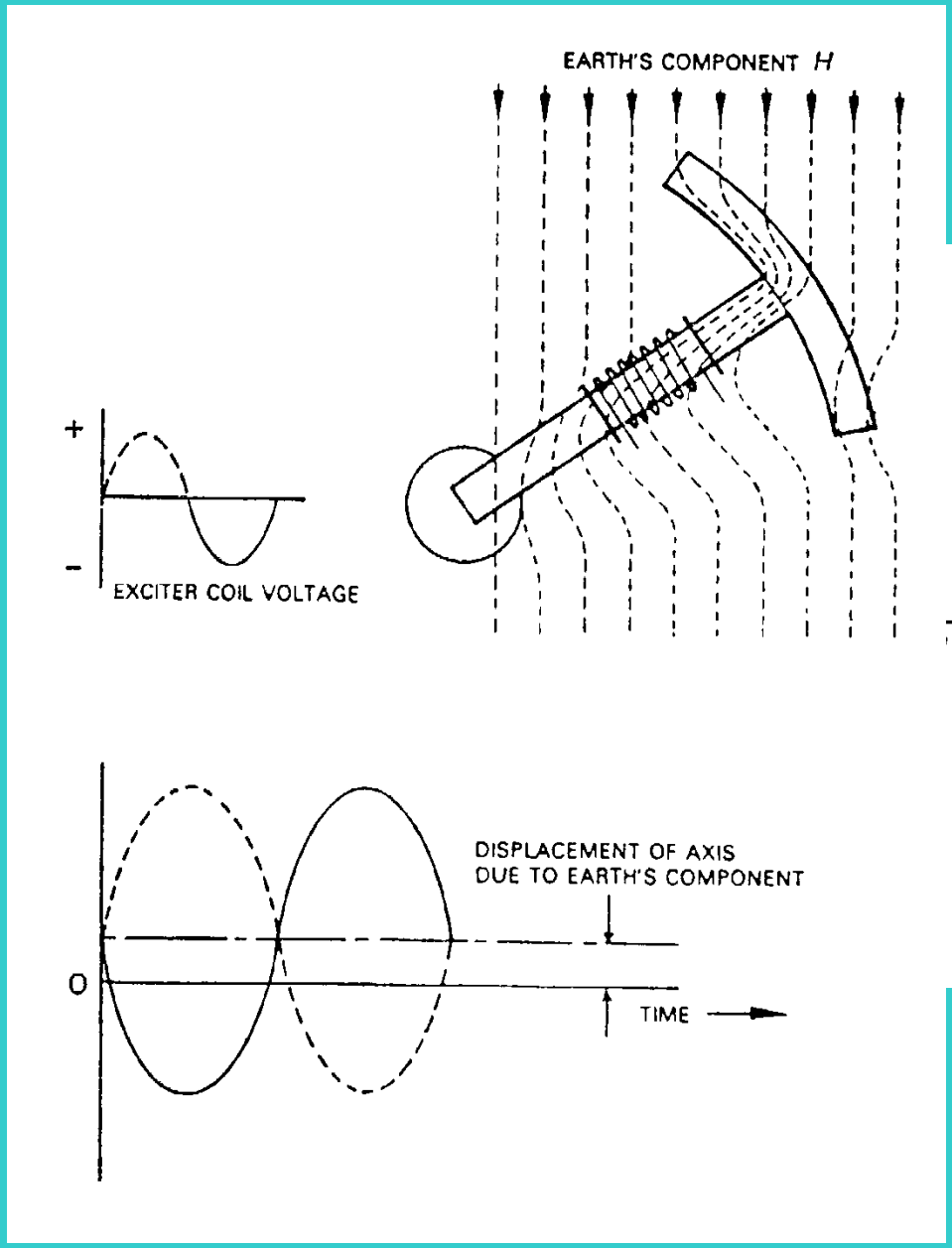
H vettore intensità
campo magnetico terrestre

Sensore campo magnetico terrestre

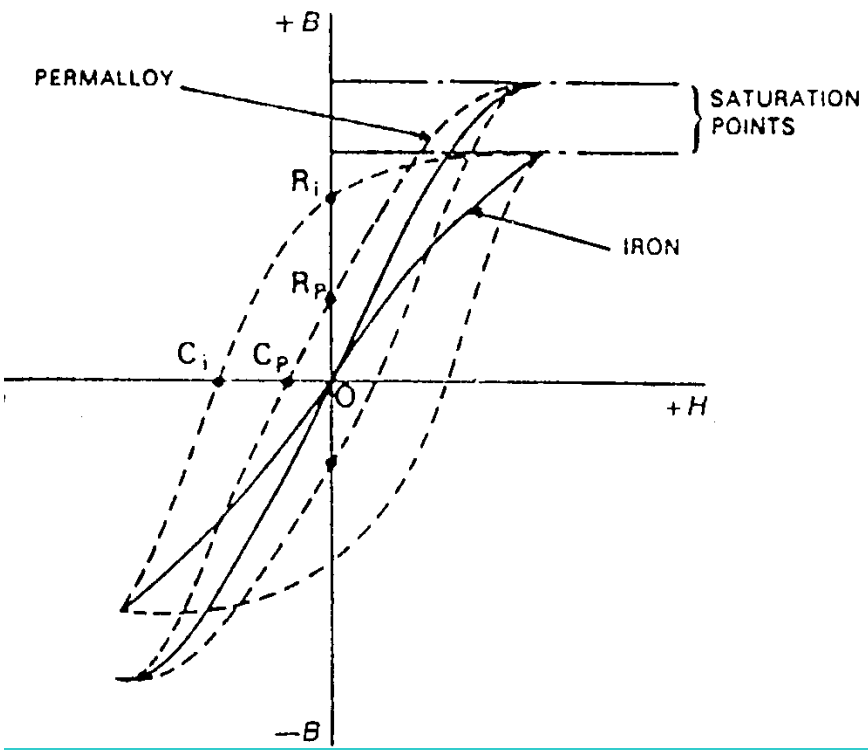




Valvola di flusso

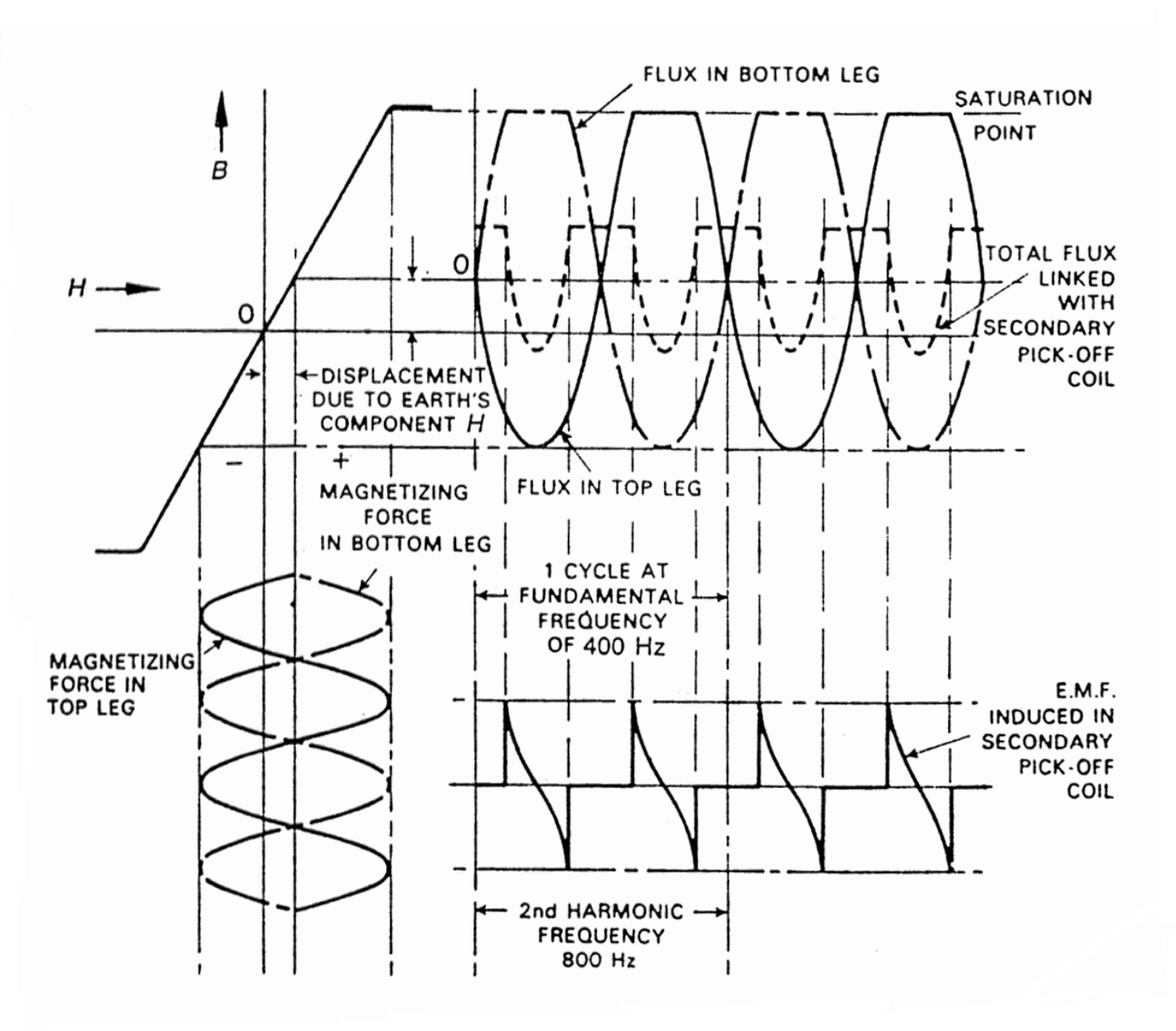


Isteresi del materiale ferromagnetico

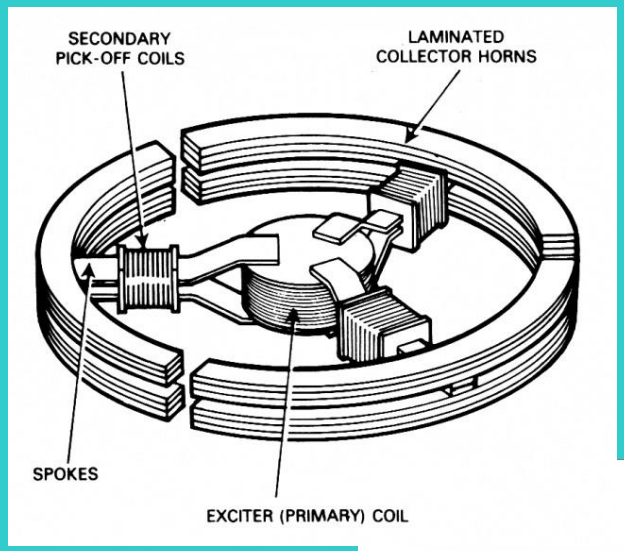


B induzione magnetica

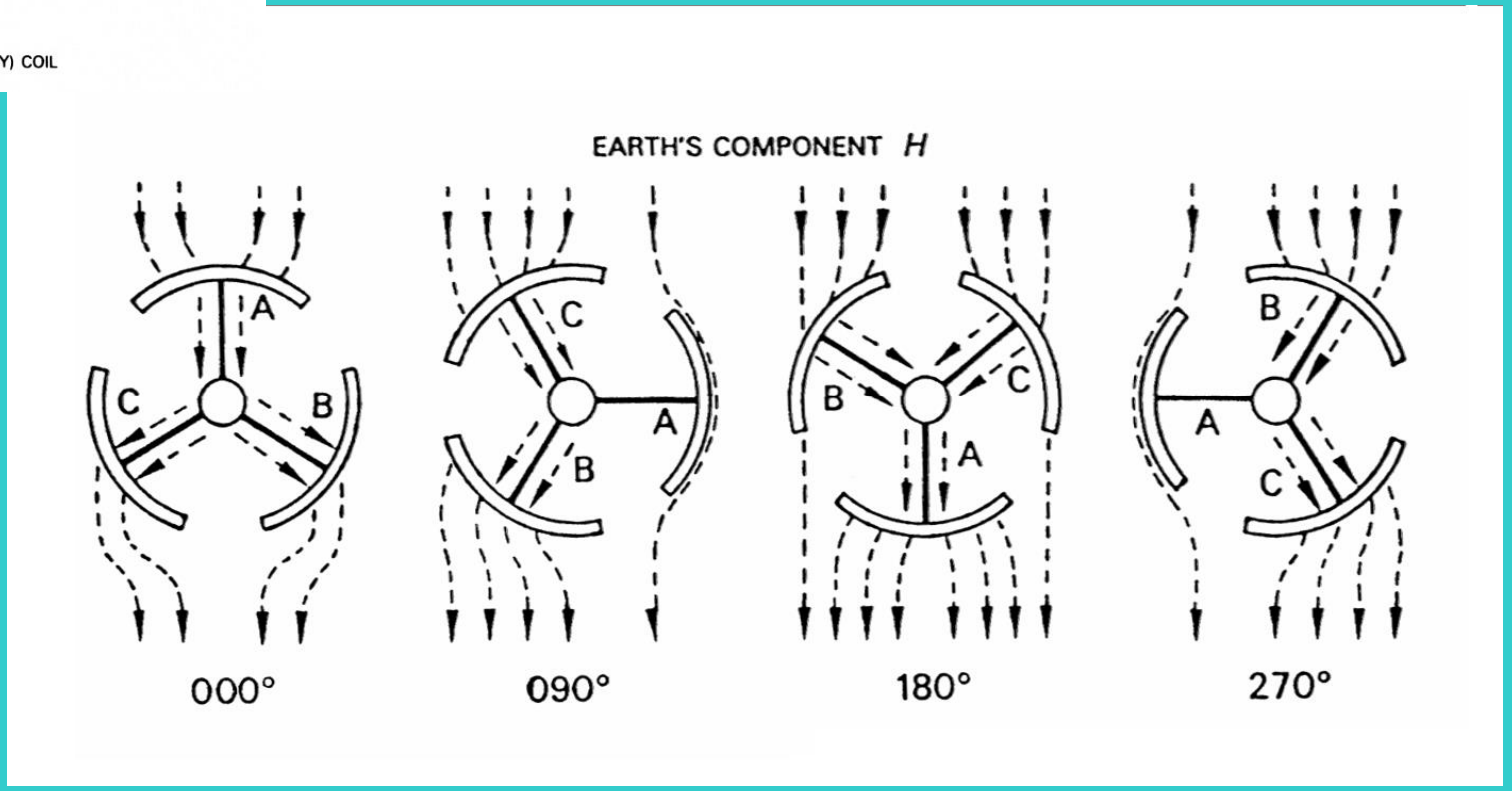
Valvola di flusso



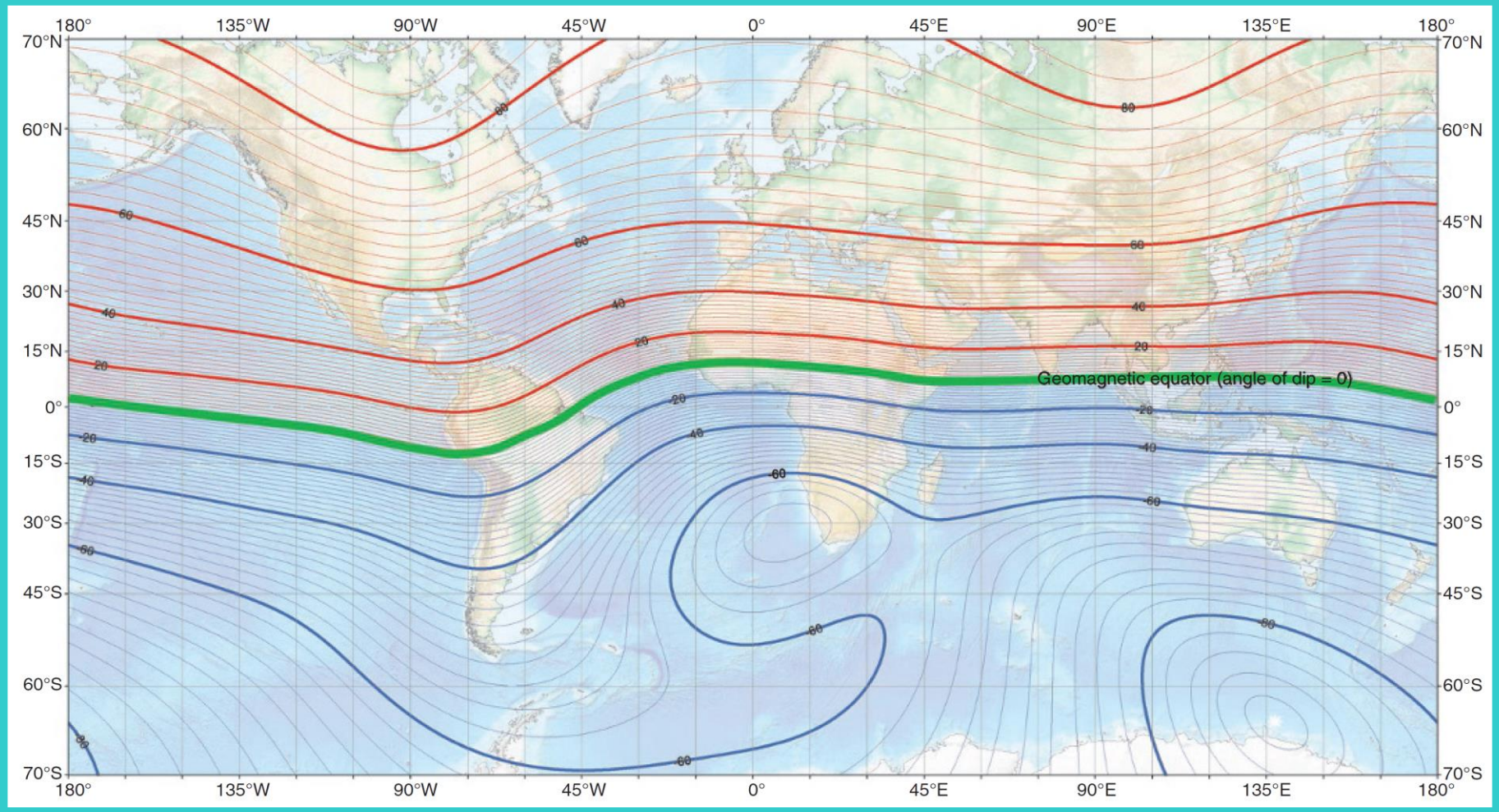
Valvola di flusso



Three spoke arrangement
per risolvere l'ambiguità di 180°

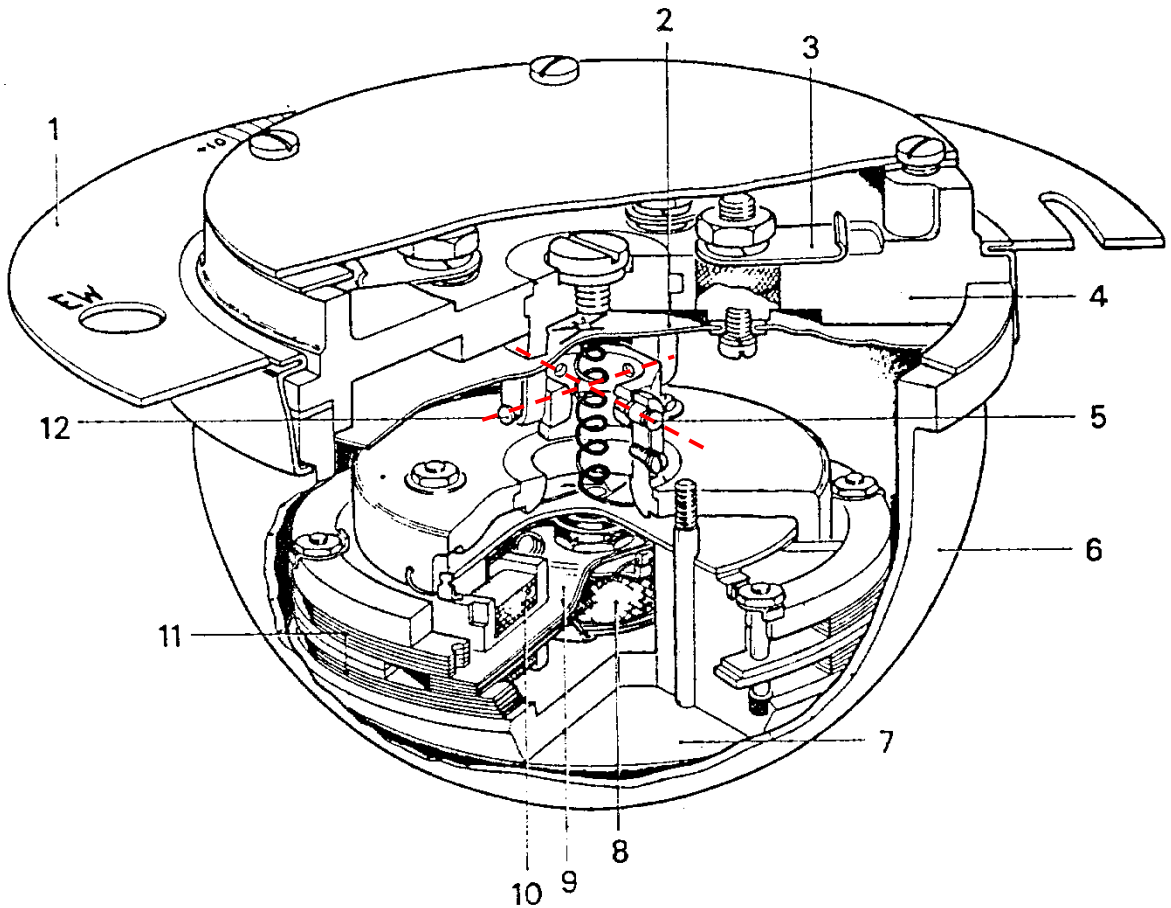


Magnetic Dip



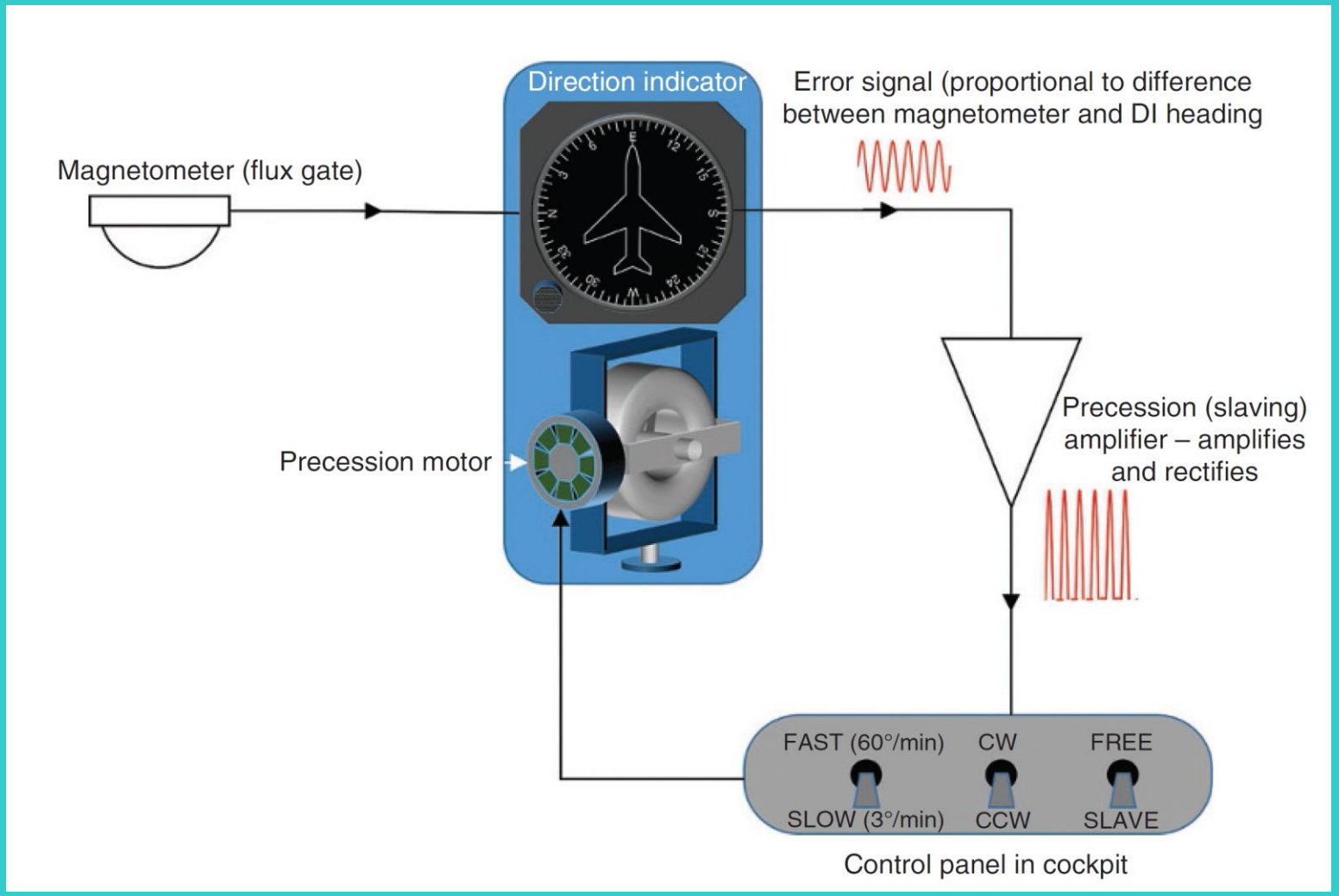
Flux valve

Figure 8.8 Practical detector element. 1 Mounting flange (ring seal assembly), 2 contact assembly, 3 terminal, 4 cover, 5 pivot, 6 bowl, 7 pendulous weight, 8 primary (excitation) coil, 9 spider leg, 10 secondary coil, 11 collector horns, 12 pivot.

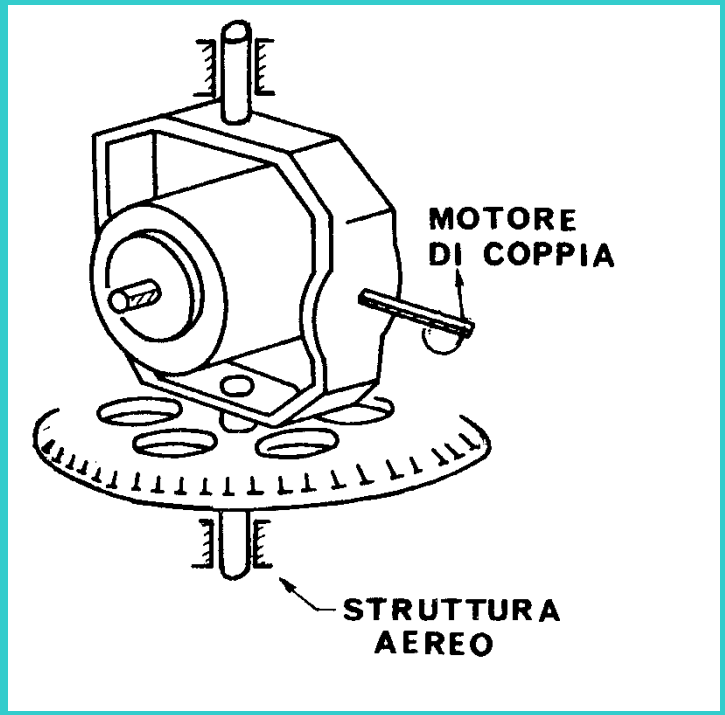


La valvola di flusso risentirà comunque delle accelerazioni e deve essere stabilizzata da un giroscopio.

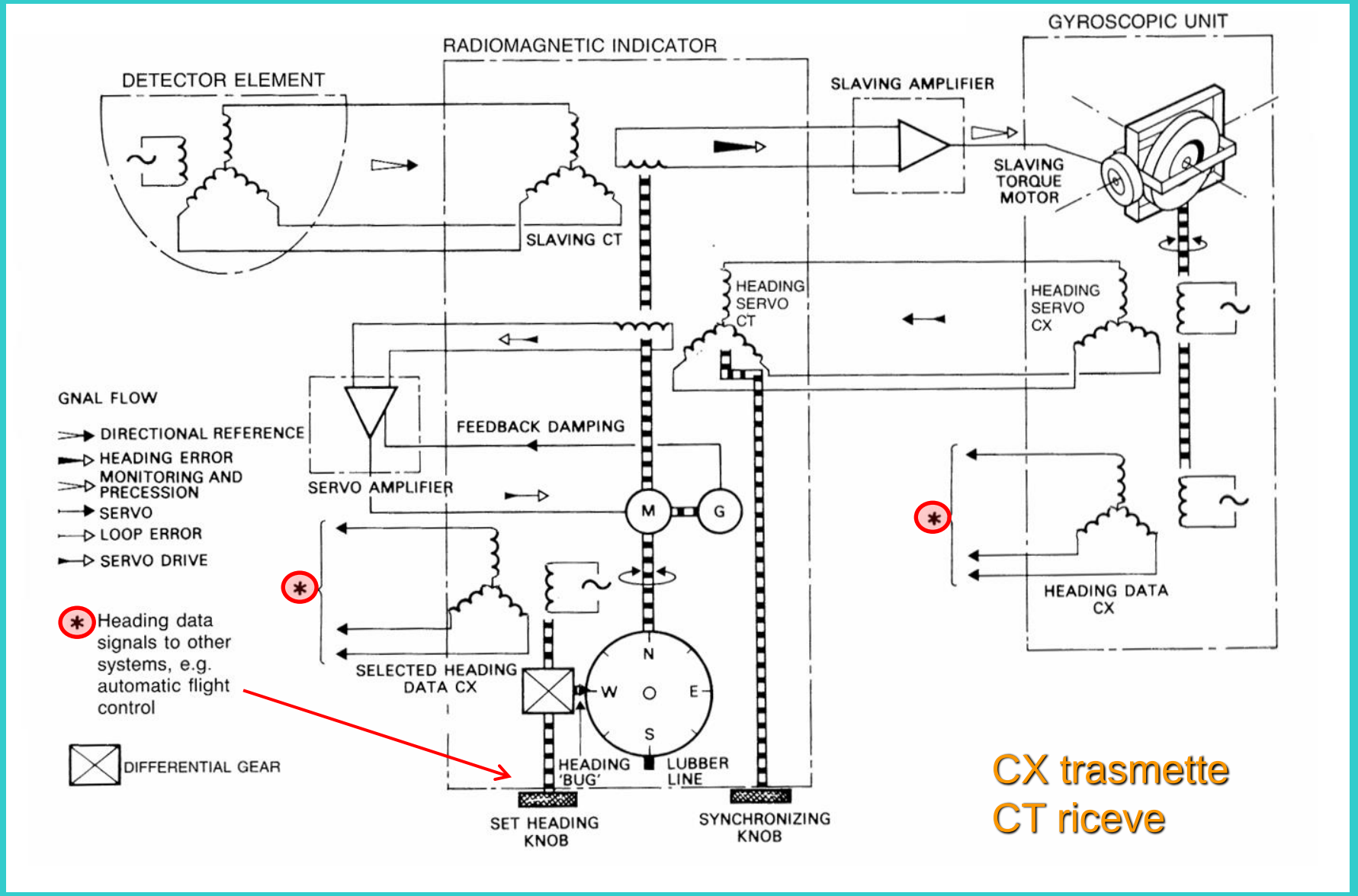
Giroscopio asservito



Giroscopio asservito



Magnetic Heading Reference System MHRS



Radio Magnetic Indicator

Il quadrante è pilotato da una bussola girostabilizzata e sotto la linea di fede si legge la prua del velivolo, evidenziata dalla sagomina centrale.
Le lancette danno indicazioni che vengono da strumenti di radionavigazione.

Directional Gyro Unit DGU