

ELL301

20.02.2019

Homework → sensors for water & soil

Energy Meter
electromagnetic

↳ moving system (Al disc)

↳ braking system (permanent magnet based eddy current damping)

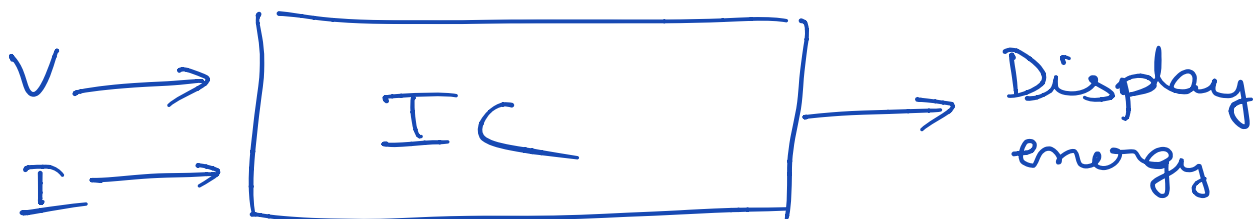
↳ display system (rotating dials)

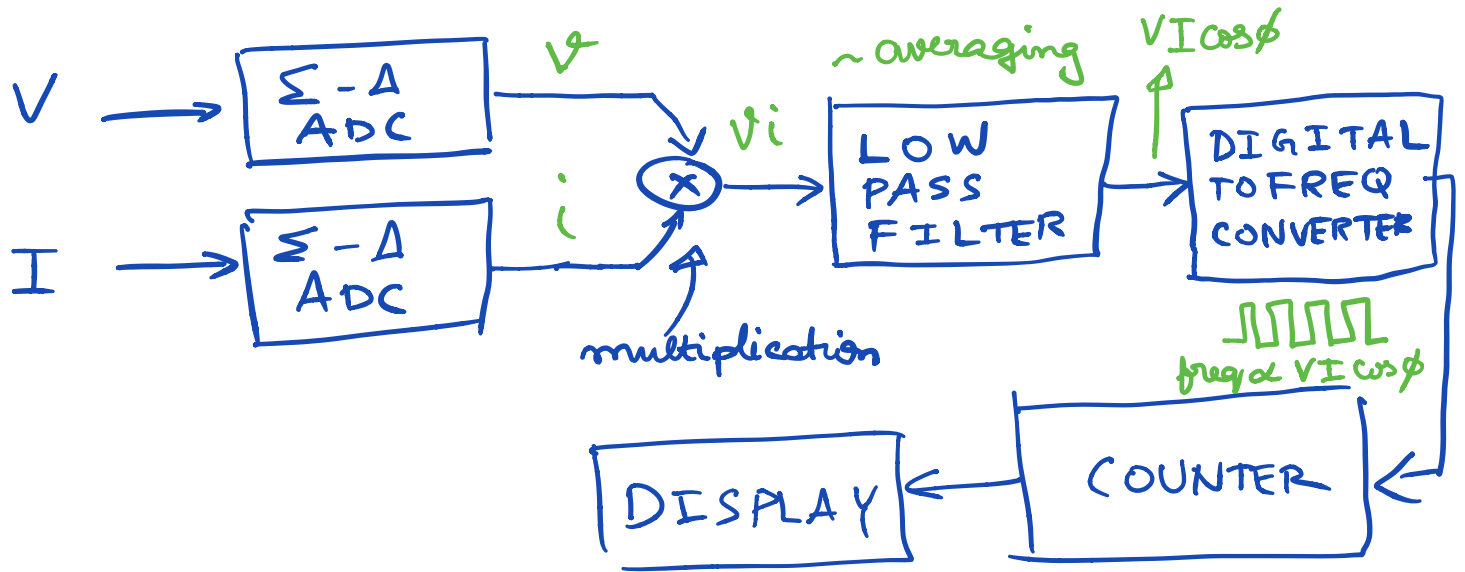
↳ generating system (pressure coil, current coil, → magnetic fluxes → eddy currents)

(same mechanism as induction motor)

Digital Energy Meter

→ IC based





Other aspects: smart meters

Spectrum Analyzer

measures frequency content of input signal

