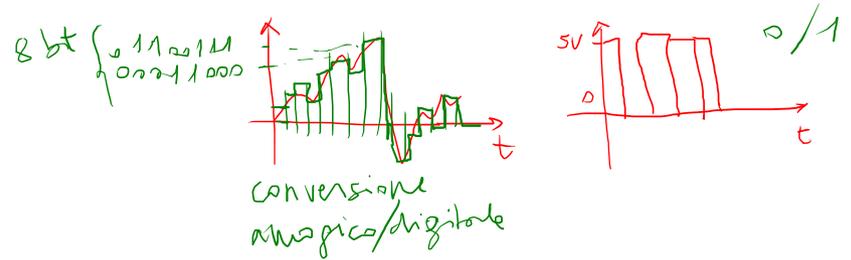


SENSORI: ANALOGICI E DIGITALI

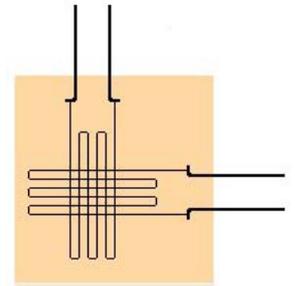


Sensori di posizione: fotocellula, sensore a ultrasuoni, potenziometro, PIR, sensore radar (volumetrici), estensimetro

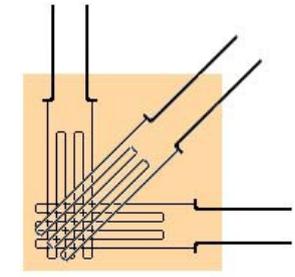
Estensimetro: resistenza variabile

$\Delta R = K \cdot \Delta l$

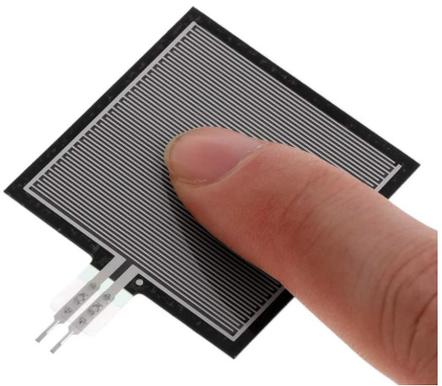
ARDUINO analogico
SENSORE DI PESO
(CELLA DI CARICO)



Estensimetro biassiale con griglie a 90°



Estensimetro triassiale con griglia intermedia a 45°



Sensori di velocità e accelerazioni:

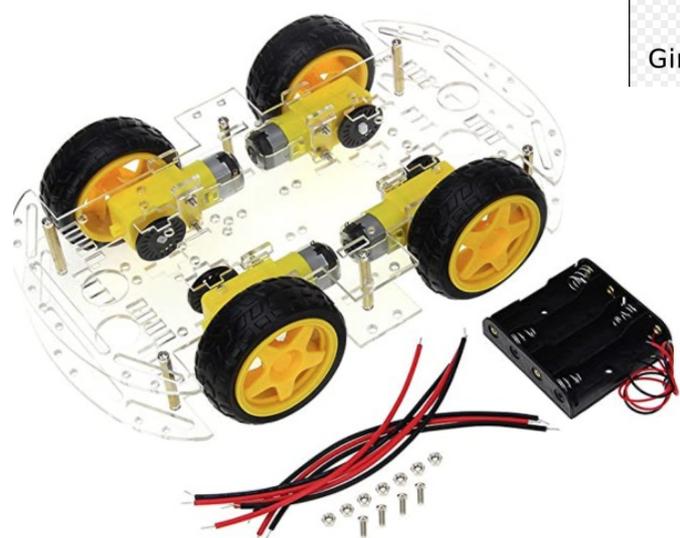
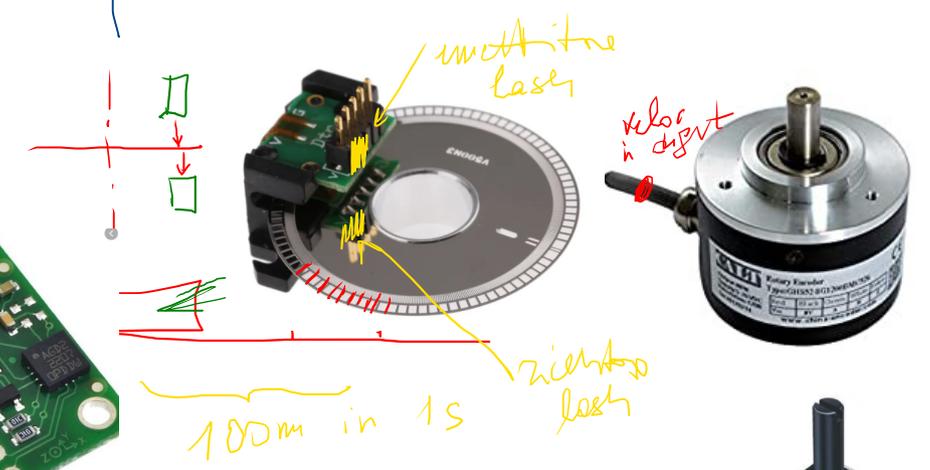
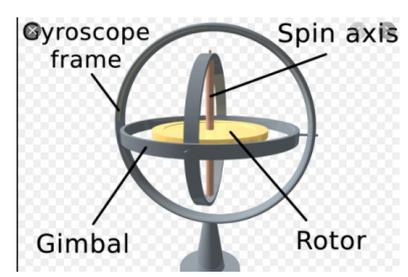
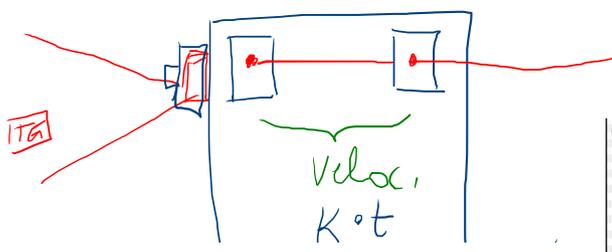
autovelox (doppia fotocellula/radar), dinamo tachimetrica

encoder ottico, GPS (10m), giroscopio, accelerometro

$10 \text{ km} = 15 \text{ s}$
 300 km/h



fotocellule



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