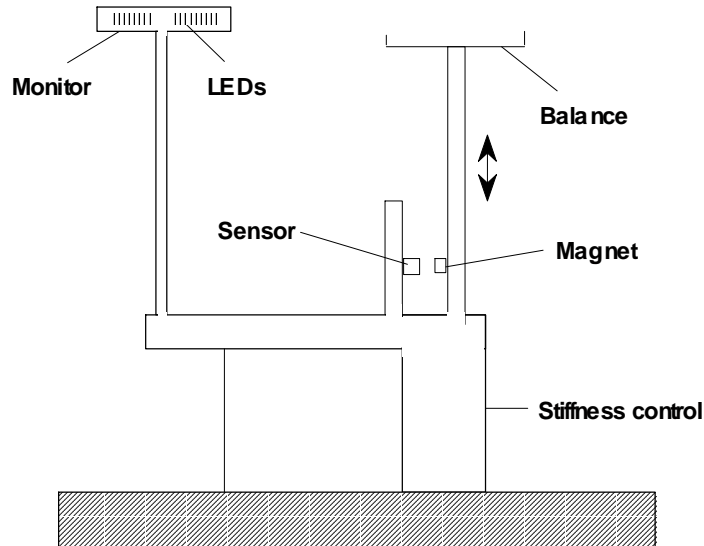


Electronic Balance Sensor

SOLID STATE

AP 00235



PRODUCT

SS94A1 linear Hall effect sensor

APPLICATION DESCRIPTION

The sensor is used in a balance to give an output as soon as the preset weight is reached within a certain range. The balance arm, on which is attached a small piece of magnetic strip, moves up and down along the Hall effect sensor. The signal given by this sensor is amplified and drives 20 L.E.D's, 10 for showing an underweight (green colored) and 10 for showing an overweight (red colored). The amplification of the LOHET output can be changed so as to set the range in which one wants to measure e.g. $10\text{kg} \pm 20\text{ grams}$. A calibrated weight of 10 kg is put on the scale and the balance stiffness is adjusted so no LED is lighted. Now a calibrated weight of 20 grams is added and the amplification is set so that 10 L.E.D.'s are lighted. So one knows exactly what is the over - or underweight according to the number of lighted L.E.Ds.

MARKET

Infortech OEM