

## Measurement Of Length By Photo Voltice Cell



**Product Categories:** [Electronics](#), [Engineering Equipment](#), [Instrumentation Lab](#), [Instrumentation Lab](#)

**Product Page:**

<https://www.labappara.com/product/measurement-of-length-by-photo-diode/>

### Product Description

#### Measurement Of Length By Photo Diode

A photo diode consists of a p - n junction coated with translucent film .

The light (radiation) is allowed to fall upon its surface, across the junction.

The junction is made reverse - biased with an e.m.f source.

A reverse current flows nearly linearly with the intensity of light flux.

The reverse - biased current flows through diode is linear function of light intensity, thus to measure the light intensity level, this current is passed through a precision fixed resistance R.

The reverse current develop proportional voltage across the R, which is than amplified to desired level by an amplifier.