

# LEAI-51

## Apparatus for Determining Planck's Constant- Advanced



### Description

This LEAI-51 experimental apparatus for determining Planck's constant is used to demonstrate the photoelectric effect, measure the characteristic curve of a photoelectric tube, verify the existence of "red limit" frequency, and calculate the Planck's constant according to the Einstein's equation of photoelectric effect. It is an ideal teaching apparatus for physics laboratories in colleges and universities.

### Feature

More accurate measurement results by using micro current meter

Integrated structure and easy to operate

No crosstalk between spectral lines

No background current

Optional data acquisition and processing using hardware interface and software

### Specification

Wavelength of filters	365 nm, 405 nm, 436 nm, 546 nm, 577 nm
Light source	50 W Mercury lamp

Sensing device	Vacuum Phototube, wavelength range 340 ~ 700 nm
Current measurement range	$10^{-6} \sim 10^{-13}$ A
Dark current	$< 2 \times 10^{-12}$ A

## Part list

Description	Qty
Main Machine Unit	1
Filters	5
Power Cord	1
Instruction Manual	1

## Examplices:

