



## KLABS SPECTROPHOTOMETER CALIBRATION ACCESSORIES



### Product Description

KLABS Spectrophotometer Calibration Accessories are designed to test wavelength accuracy, photometric accuracy, and stray light performance in UV and visible range spectrophotometers. These filters ensure reliable validation and accurate measurement results.

### Features

- High accuracy calibration filters
- Suitable for UV & Visible range testing
- Standard cuvette mounting design
- Stable and reliable performance
- Complete validation filter set available



### Applications

- Laboratory calibration
- Pharmaceutical analysis
- Research laboratories
- Quality control labs
- Spectrophotometer validation

### Uses

- Wavelength accuracy testing
- Photometric accuracy verification
- Stray light measurement
- Instrument validation



### Models & Description Table

| Model   | Description                                                        |
|---------|--------------------------------------------------------------------|
| HF-1    | Holmium Glass Filter (To test wavelength accuracy in UV/Vis Range) |
| DID-666 | Didymium Glass Filter (To test wavelength accuracy in Vis Range)   |
| CALS-8  | Spectrophotometer Validation Filter Set of 8 items                 |

## Technical Specifications

| Parameter             | Specification                       |
|-----------------------|-------------------------------------|
| Accuracy              | $\pm 0.2$ nm or $\pm 1\%$           |
| Operating Temperature | 21°C to 25°C                        |
| Holder Type           | Standard 10 mm cuvette metal holder |

## CALS-8 Filter Set Details

| Item No. | Description                                |
|----------|--------------------------------------------|
| 1        | 10%T filter                                |
| 2        | 20%T filter                                |
| 3        | 30%T filter                                |
| 4        | 220 nm stray light filter                  |
| 5        | 360 nm stray light filter                  |
| 6        | Holmium filter (wavelength accuracy test)  |
| 7        | Didymium filter (wavelength accuracy test) |
| 8        | BLANK filter                               |

## Performance / Test Details

| Test Type            | Description                                                      |
|----------------------|------------------------------------------------------------------|
| Photometric Accuracy | Use 3 density filters to plot standard curve and check R value   |
| Wavelength Accuracy  | Scan Holmium & Didymium filters and match peaks                  |
| Stray Light Test     | 220 nm for lower UV, 340 nm for higher UV (Absorption $\geq 3$ ) |