

# T-Stop Tester



## Measuring instrument for service and repair of lenses

The Carl Zeiss T-Stop Tester is an universal, modular designed test equipment for measuring apertures of photographic lenses.

Since for the correct exposure of a film not the geometric aperture but the transmission corrected one is decisive, this equipment displays T-stop values. In order to ensure a simple and quick judging the measured values are displayed in exposure values (EV).

The spectral weighting of the photosensor is approximated to the eye's sensitivity  $V(\lambda)$ . A master lens with an exactly known aperture is used to calibrate the tester.

The design of the tester is based on years of experience in measuring apertures in laboratory and production. The tester is especially suitable for service and repair of lenses.



# T-Stop Tester

## Technical Data and Modules

### Basic Unit

Base plate with lens holder and photosensor

Max. length of lens under test 400mm (longer lenses on request)

Dimensions (W x D x H) [cm] 40 x 60 x 100

### Illumination system

Light source Ulbricht-sphere illuminated by white LEDs  
approx. 300Lux at the opening

Color temperature approx. 6800K (daylight)

Max. diameter of lens under test approx. 120mm (other diameter on request)

### Electronic Unit

Measuring unit Exposure Value (EV)

Range 1EV to 10EV

Resolution 0.01EV

Accuracy  $\pm 0.05$ EV

Power supply 240V AC / 100VA

Dimensions (W x D x H) [cm] 25 x 25 x 15

Data interface RS 232 (on demand)

### Environmental conditions

Temperature range 18 to 23°C

Relative humidity 30 to 76%



# T-Stop Tester

## Options

Lens adapters  
Evaluation software (on demand)  
Master lens  
Pinhole stops

Subject to change