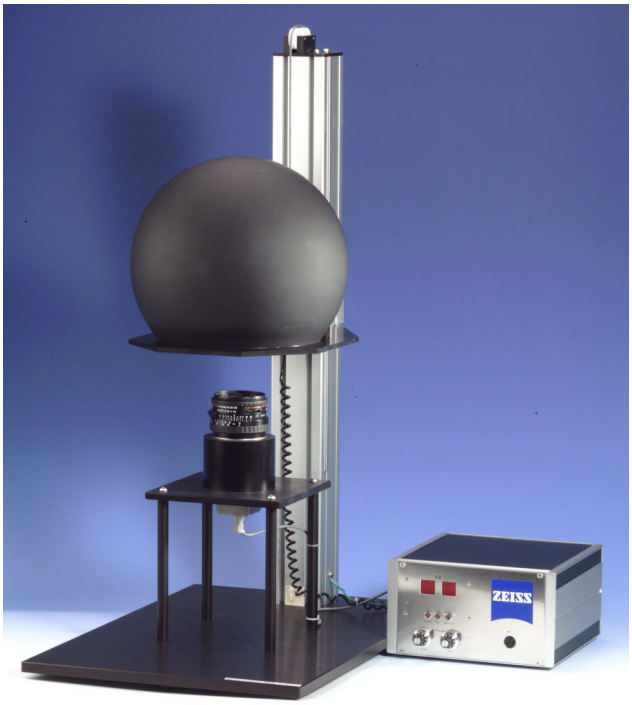
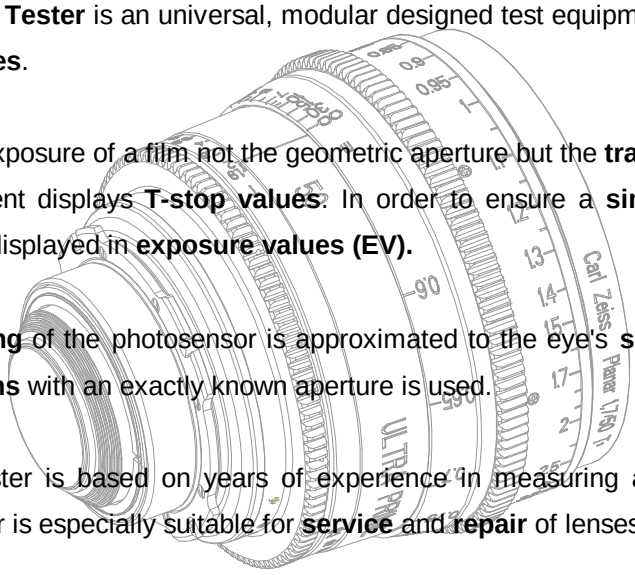
T - Stop Tester



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(** **).** To **calibrate** the tester a **master lens** with an exactly known aperture is used.

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.

Technical Data and Main Assemblies

- **Basic unit**

Base plate with lens holder and photosensor	
Max. length of lens under test	400mm (longer lenses on request)
Dimensions [cm] (w x d x h)	40 x 60 x 100

- **Illumination system**

Light source	Ulbricht-sphere illuminated by white LED's, approx. 300 Lux at the opening
Color temperature	approx. 6800 K (daylight)
Max. diameter of lens under test	approx. 120mm (other diamter on request)

- **Electronic unit**

Measuring unit	Exposure Value (EV)
Range	1Ev to 10EV
Resolution	0.01 EV
Accuracy	± 0.05EV
Power supply	240V AC / 100VA
Dimensions [cm] (w x d x h)	25 x 25 x 15
Data interface	RS 232 (on demand)

Environment conditions

Temperature range	18°C to 23°C
Relative humidity	30 to 76%

Options

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

Subject to change
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