

AMT-500

Angular Measurement Tester

Key features at a glance

- ▲ Highly accurate and reproducible spectral measurements of displays under 5 inclination viewing angles
- ▲ High speed successive angular scans for mass production applications
- ▲ Characterization of displays by luminance, CCT, color coordinates and spectrum
- ▲ Customization with user specifications possible



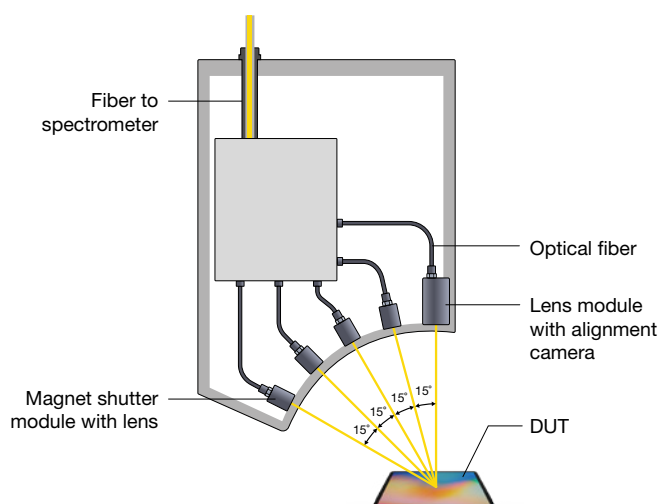
AMT-500 is designed to measure viewing angle characteristics, like luminance, color coordinates and spectrum, of an OLED- or μ LED-display under angles of 0, 15, 30, 45 and 60 degrees. A high-end array spectrometer from the CAS series by Instrument Systems is used as a detector and ensures a very high degree of precision and accuracy. Consecutive measurements under the 5 angles are performed using an innovative magnet shutter design that ensures a high speed channel switching.

An integrated view finder camera makes aligning and adjusting the measurement spot very fast and user friendly. A software and SDK is available and features automatic measurement routines and a recipe creator. AMT-500 provides high-speed angular measurements and is therefore ideal for display mass production applications.

\\ TECHNICAL SPECIFICATIONS

AMT-500 – Angular Measurement Tester	
Working distance	172 mm
Measurement spot size	3.8 mm
Measurement angle	0°, 15°, 30°, 45°, 60°
Circle at 0°	3.8 mm
Ellipse at 15° / 30° / 45° / 60°	3.9 / 4.4 / 5.4 / 7.6 mm
Dimensions (H x W x D)	606 mm x 330 mm x 80 mm
Weight	Approx. 6 kg
Communication	2 x Ethernet (control and alignment camera) Pushpull 5 V (Trigger)
Measurement time / ch	200 ms (fixed), min. 45 ms on request
FOV view finder	28.5 x 21.4 mm

Instrument Systems is continually working to develop and improve products.
Technical changes, errors or misprints do not constitute grounds for compensation.
The company's terms of delivery and payment apply in all other respects.



The design concept of the AMT-500.