

VIEWING ANGLE SERIES

THOR5



OVERVIEW

THOR5 system is an automated measurement station which offers easily an evaluation of displays up to 20" in specific temperature environment. The design is modular and allows a use of the station with or without the temperature chamber. This complete measurement station is an accurate and automated solution which delivers complete test results report with the automation software provided.

FEATURES

- Fully automated +/- 80 ° or +/- 88 ° viewing angle test station for displays
- All included station: Measuring system EZContrast and its valets, thermic chamber and automated XYZ stage
- High Flexibility, Accuracy and ease of use
- Resolution : 0.08°/CCD pixel

APPLICATIONS

- Viewing angle analysis for QC or R&D
- Automated stage for fast and easy testing
- Environmental impact on displays optical characteristics checked with the use of temperature chamber from -40 ° to + 85°C
- Reflective properties and/or spectral characteristics of displays available as options

MORE DETAILS

TECHNICAL FEATURES

Specifications		THOR5
Viewing angle	Incident angle Azimuth angle	0-80° or 0-88° 0-360°
Measuring area	Maximum diameter	2mm
Optimum distance	Ensure light coming from same spot at any angle	3.7mm or 1mm
Accuracy	Luminance Chromaticity (x,y) RMS	±3% 0.002
Performances	Angular resolution Peltier cooled CCD Resolution A/D converter Angular optical resolution	0.08°/CCD pixel* Yes 6M 14-16 bits ±0.3°*
Chromaticity	Color Filters	6
Measurement Modes	Luminance Chromaticity	Yes Yes
Luminance Range	Minimum (cd/m ²) Maximum (cd/m ²) - on option with neutral density	0.001 1000000
Short-term repeatability	Luminance Chromaticity (x,y) RMS	±0.05% 0.0001
Measurement time	Luminance Chromaticity	< 10s < 20s
Thermic Chamber	Test space volume (liter) Test space dimensions (mm) External dimensions (mm)	990 height: 500; width: 490; depth: 400 height: 1190; width: 780; depth: 930
Manual XYZ Stage	Courses X Courses Y Courses Z Removable Sampler Holder Accuracy	±300mm ±350mm ±500mm 5kg max charge 0.1mm

Specifications can be change without notice

PC and software included

(*) The system's resolution must be considered according to the effective optical resolution.

SIZES & PLAN DIMENSIONS THOR5 OUTER DIMENSION (UNIT MM)

