

# Type A Goniometer

**Ideal for measuring automotive lighting,  
traffic signals & retro-reflective reflectors**



**Measures all parameters necessary for R&D confirmation,  
production use, quality control, and standards confirmation**

## Specifications

Machine Dimensions:

165.3 cm x 60.8 cm x 173.2 cm (65" x 24" x 68")

Control Rack Dimensions:

55.9 cm x 63.5 cm x 188 cm (22" x 25" x 74")

Recommended Test Distances:

Headlamps & Foglamps: 60 feet minimum with 25' aim screen

Automotive Signal Lighting: 25 feet minimum

Retro-Reflective Reflectors: 100 feet

Electrical Input: 120 VAC 15A (2 circuits required)

Rotational Accuracy: <math><0.01^\circ</math>

Photometric Accuracy:

0.01 cd (0.2% + 5% range)

12-16 bit  $f'$  <math><3\%</math> ( $v'$  <math><0.5\%</math> available) 0.01 cd

Mechanical Accuracy:  $\pm 1$  mm

Speed / Stop and Read: User selectable "line scans"

Maximum Luminaire Size: 1200 mm wide x 600 mm tall

## Value

Type "A" goniometer has the added capability of simulating a type "C" goniometer to produce IES files by tilting the luminaire

## Options

- Remote Monitoring and Control
- Retro-Reflector Measurement
- Thermal-Couple Integration
- Power Analyzer
- NIST Traceable Power Measurement
- NIST Traceable Calibration Sources
- License Lamp Measurement
- User Definable Script Files
- Detector Spectral Correction
- IES File Creation
- DC Power Supply 500 W
- AC Power Supply 1200 W

