

ASG Series

Automotive & Signalling Goniophotometers



Photometric Solutions International[®]

THE NEW GENERATION IN PHOTOMETRIC TECHNOLOGY

Photometric Solutions International Pty Ltd - Factory Two, 21-29 Railway Avenue, Huntingdale VIC 3166, Australia
Telephone: +61 3 9568 1879 Email: sales@photometricsolutions.com Web: www.photometricsolutions.com

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General

| | Model | Max dimensions | Load Capacity* | Motorised axis |
|--|---|---------------------|----------------|----------------|
| Dimensions and load capacity (can be customised for specific applications) | ASG-1.0 | 500 x 500 x 500 mm | 6 kg | 2 |
| | ASG-1.1 | 800 x 800 x 700 mm | 10 kg | 2 |
| | ASG-2.0 | 600 mm in height | 20 kg | 3 |
| | ASG-3.0 | 500 x 500 x 800 mm | 50 kg | 3 |
| | ASG-5.0 | 800 x 800 x 1100 mm | 100 kg | 5 |
| Type | A/α for automotive and signalling applications | | | |
| Can test | ECE, SAE, JIS, ADR, AIS, KATRI, IALA, ICAO, FAA, etc... | | | |
| Test distance | 3.162 m to 5 m for signals 25 m for headlamps and foglamps | | | |

* Up to ±15 degrees.

Mechanics

| | Model | Angular resolution | Angular accuracy* | Angular range (h/v) | |
|-----------|---------|--------------------|-------------------|---------------------|--------|
| Movements | ASG-1.0 | 0.01° | 0.05° | unlimited | ± 90° |
| | ASG-1.1 | 0.01° | 0.05° | unlimited | ± 90° |
| | ASG-2.0 | 0.01° | 0.1° | ± 180° | ± 20° |
| | ASG-3.0 | 0.001° | 0.01° | ± 180° | ± 90° |
| | ASG-5.0 | 0.001° | 0.01° | unlimited | ± 100° |

* Up to ±15 degrees.

Sensors

| | | |
|---|---|---|
| PH-1L Laboratory Photometer | V(λ) matching, f ₁ ' | ≤ 1.5 % |
| | Linearity, f ₃ | ≤ 0.1 % |
| | Fatigue, f ₅ | ≤ 0.1 % |
| Colour measurement with SP-4C Spectroradiometer | Spectral Range | 360-830 nm (other options in the UV/NIR regions are available upon request) |
| Power analyser (optional) | Yokogawa WT310E (WT3000 optional) | |
| Power supply (optional) | Several options based on your requirements | |
| Temperature probe (optional) | Probe for room temperature or thermocouples for products temperature upon request. Software monitored | |

Software

| | |
|---------|---|
| Results | Luminous intensity and illuminance Pass/Fail according to the regulations. Cutoff stability, sharpness and linearity Chromaticity distribution; x, y, u', v', CCT, D _{uv} , R _a , R _f (with spectroradiometer) |
| Control | All items are software controlled. Automatic switch between photometric and colorimetric measurement (if selected). Automatic switch between test distances (if applicable) |

As part of its ongoing research and development process, PSI reserves the right to change specifications without notice.