

# DMG System

## Dielectric Mirror Gonio System

Meet the fastest and most compact dielectric Goniometer ever built. The DMGS works based on the galvano mirror principle to achieve ultra-fast, ultra-stable angle positioning. With rapid angular sweeps and excellent geometric fidelity, it delivers dramatically shortened measurement cycles in a compact design without sacrificing accuracy.

Connected to the high-performance Neo spectroradiometer, the userfriendly DMGS covers a wide dynamic luminance range and full spectral insight across every viewing angle.

### Highlights

Compact and fast Dielectric Goniometer with high-end Neo spectroradiometer

Up to 75° polar angle, up to 350° azimuth angle

Maximizes efficiency with high-speed measurement and scanning across multiple viewing angles

Angular step size of 1°

Radiance wavelength range  
380 nm – 780 nm

Luminance up to 1.000.000 cd/m<sup>2</sup>

Sample spectrum function

Working distance up to 30 mm  
(non-contact measurement)



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[admesy.com/products/dmgs](https://admesy.com/products/dmgs)

# Ease of Use from Every Perspective

Admesys' DMGS sets a new benchmark for fast, accurate, and angle-resolved display characterization. Its precision-aligned optical design and compact footprint ensure maximum efficiency and delivers outstanding performance without the need for complex integration. In combination with the high-end Neo spectroradiometer, the system delivers excellent linearity and consistently repeatable results while enabling high measurement speeds without compromising accuracy.

Equipped with in-house coated mirrors featuring exceptionally high reflectivity of over 99.9%,

the DMGS ensures optimal signal quality and measurement stability while maintaining low polarization.

With true plug-and-measure capability — no multidevice programming or system synchronization required — the DMGS supports effortless operation in any workflow. A remarkable price-to-performance ratio, combined with best-in-class measurement stability and a uniquely compact form factor, makes the DMGS the ideal solution for modern display testing.

## Specifications

|                  |                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model            | Polar angle: 0° – 60° (WD 30 mm) or 0° – 75° (WD 8 mm)<br>Azimuth angle: 0° – 350°                                                                                                                                                          |
| Spot sizes       | 3 mm, 6 mm or 9 mm                                                                                                                                                                                                                          |
| Switching speed  | for 15° polar angle ~ 100 ms<br>for 45° azimuth angle ~ 300 ms                                                                                                                                                                              |
| Wavelength range | 380 nm - 780 nm                                                                                                                                                                                                                             |
| FWHM             | ~ 2.8 nm                                                                                                                                                                                                                                    |
| Luminance range  | 0.0005 cd/m <sup>2</sup> – 10.000 cd/m <sup>2</sup> (standard without Filter)<br>0.0005 cd/m <sup>2</sup> – 100.000 cd/m <sup>2</sup> (with OD1 Filter)<br>0.0005 cd/m <sup>2</sup> – 1.000.000 cd/m <sup>2</sup> (with OD1 and OD2 Filter) |

Download the brochures with detailed specifications from [admesy.com/downloads](https://admesy.com/downloads)

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