

## Versatile 7-Angle MALS Detector

**The BI-MwA Multi-Angle Light Scattering (MALS) detector** from TESTA Analytical offers the highest performance to price ratio of any light scattering system available for molecular weight determination



**If you are looking to determine absolute molecular weights** of polysaccharides, proteins, and peptides or their aggregates by HPLC or uHPLC quickly and accurately, then look no further. The Bi-MwA is also a powerful tool that can dramatically increase the capability of any GPC/SEC system enabling the precise and accurate determination of the molecular weights of polymers and nanomaterials in solution.

### **Compact in design,**

the novel vertical flow path of the BI-MwA avoids trapped bubbles – a problem commonly associated with horizontal light scattering systems. The flow cell inside the BI-MwA has no sharp corners, only conical shapes, meaning previously analyzed samples are easily flushed out eliminating the possibility of contamination from previous samples. Using this MALS detector allows you to eliminate the need for time-consuming column calibration and improve your data quality. The BI-MwA is simple to use but incorporates sophisticated features to help solve challenging light scattering research applications.

### **To use, simply inject your sample**

into the low-volume, 7-angle flow cell. The sample is illuminated by a temperature stabilized, precision power-controlled diode laser. The stable, high-sensitivity, low-noise CCD detector automatically collects the scattered light. Software then extrapolates the data to zero angle to enable precise absolute molecular weight determination.

### **For further information**

please visit <https://testa-analytical.com/hplc-chromatography.html> and <https://testa-analytical.com/gpc-sec-chromatography.html> or contact Testa Analytical on +49-30-864-24076 / [info@testa-analytical.com](mailto:info@testa-analytical.com).

## **TESTA Analytical Solutions**

is a leading specialist supplier of liquid chromatography instruments and detectors. Drawing upon over 30 years' experience, TESTA Analytical Solutions has established itself as a respected creator and supplier of top quality, innovative, high performance chromatography instrument kits, and detectors with OEM clients around the world.

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