

## Technical Specifications

Number of measurement angles	3
Position of the measurement angles	LALS (10°) RALS (90°) HALS (170°)
Cell geometry	proprietary conical flow path (single inlet, dual outlets)
Laser source type	diode
Laser power	20 mW +/- 5
Laser wavelength	505 nm
Laser temperature control	yes
Wetted material	teflon, PEEK, glass, stainless steel
Maximum flow rate	2 mL/min
Inlet position	front or side
Baseline noise (in THF @ 1 mL/min)	< 1 mV
Baseline drift (in THF @ 1 mL/min)	< 1 mV / 30 min
MW range	< 200 to 10 <sup>7</sup> Da
R <sub>g</sub> range	< 2 nm to > 50 nm (in progress)
Acquisition rate	< 1 to 50 Hz, user selectable
A/D board channels / resolution	8 channels / 24 bits
Dynamic range	+/- 10 V
Analog inputs	RI, UV and start signal
Connection to PC	ethernet
Dimensions	36.5 (W) x 48.5 (D) x 13 (H) cm = 14.4" x 19.1" x 5.1"
Weight	16 kg = 35 lbs
Intellectual property	PCT/US19/12090: Light Scattering Detectors and Sample Cells for the Same PCT/US19/12095: Light Scattering Detectors and Methods for the Same

## Ordering Information

Part #	Description
40000	LenS <sub>3</sub> Multi-Angle Light Scattering Detector
40001	UHPLC Conversion Service Kit for LenS <sub>3</sub> MALS Detector