

Lipid Emulsion Particle Size Analyzer

Measures lipid-emulsion particle size distributions and calculates PFAT5 using laser light obscuration and pulse-height analysis. Distribution curves and user-defined particle-volume intervals support formulation assessment.



Key features

- Laser light-obscuration measurement
- Configurable size thresholds for method selection
- Stored results and printed reports
- Confirm the required method and delivered software configuration

Technical Information

Particle size range	1-400 µm
Sampling volume	0.2-1000 mL
Concentration range	0-10000 particles/mL
Sampling volume error	<±1%
Accuracy against reference value	±10%
Repeatability at >1000 particles/mL, 5 mL sample	RSD <2%
Distribution channels	≤4096
Adjustable thresholds	2-100 µm; 0.01 µm setting increment
Electrical supply	100-264 V; 49-62 Hz; <80 W
Laser power	5 mW
Particle count display range	0-99999999

Standard Configuration

Instrument with standard 10 mL syringe. Confirm printer, cables, calibration items and full delivery list in the quotation.

Optional Accessories

25 mL syringe is an alternative configuration, not assumed included. Confirm compatible consumables, calibration items and qualification documents separately.

Selection / Ordering Information

Standard syringe 10 mL; optional 25 mL. Sampling rate 5-60 mL/min (10 mL) or 12-150 mL/min (25 mL). Custom methods support 32 channels; distribution analysis supports up to 4096 channels. PFAT5, integral/differential curves, electronic stirring, 7-inch touchscreen, USB backup and external printing are documented. Environment 10-40 °C. Confirm emulsion suitability, printer and calibration. Setting increment is not size accuracy.