

Liquid Particle Counter FM-LPC-A202



Description :

Liquid Particle Counter FM-LPC-A202 is a precision small capacity syringe sampling device with 0.5 to 20 μm particle size range, and stable injection speed. Use of light scattering principle, with imported high power laser light source it accurately determines size and particle counting up to submicron mid-sized particles in liquid. Detects particle present in organic, colored and transparent, oil-based liquid samples.

Specifications :

Particle size range	0.5 to 20 μm	
Particle size channel	16 channels (can set particle size as per requirement)	
Maximum detection concentration	10000 particles/ ml	
Particle size detection details	Accuracy	$\pm 10\%$
	Repeatability	RSD <2% (number of particles >1000 particles/ ml, 5 ml sampling)
	Resolution	<10 % (ISO 21501)
Syringe specifications	1, 5, 10 ml	
Sampling speed	25 ml/ min	
Sampling volume accuracy	$\pm 1.5 \%$	
Sampling volume range	1 to 500 ml	

Minimum sampling volume	0.2 ml (for 1 ml syringe size)
	0.4 ml (for 5 ml syringe size)
	0.4 ml (for 10 ml syringe size)
Stirring Method	Magnetic stirring (with adjustable speed)
Sensor material	316 stainless steel, quartz glass, Teflon
Display	7 inch LCD touch screen colored display
Data output	RS232 interface, USB, thermal printer
Environment Temperature range	10 to 40°C
Environment Humidity	0 to 95 % RH
Power supply	AC 100 to 240 V, 50/60 Hz
Dimension (L× W × H)	320 × 309 × 394 mm
Weight	11 kg

Features :

- Small capacity syringe sampling
- Light scattering method for analysis
- Desktop off-line sampling method
- Automatic data storage
- Built-in calibration curve meets ISO 21501 standard
- Use of magnetic stirring method, with adjustable stirring speed
- Complies with 21 CFR- 11 guidelines
- Powerful application software development support
- USB interface connections to transfer data to other devices

Applications:

Used to determine particle count in deionized water, to analyze the cleanliness of the medical parts, chemical quality testing, and to detect filters filtration efficiency.

Accessories Optional:

Accessories No.	Name	Qty
1	Calibration standard (10 µm latex microsphere suspension)	1 bottle

Standards:

Particle size distribution ISO 21501-4: 2007

