



# TAKE THE LABORATORY WHEREVER YOU GO

## LPA3 - Portable Particle Counter

- COMPREHENSIVE HYDRAULIC HEALTH CHECK
- DRAMATICALLY REDUCES COSTS & DOWNTIME
- PREDICTIVE MAINTENANCE TECHNOLOGY
- EASY TO USE - NO TRAINING COSTS!
- PERFECTLY PORTABLE
- REAL-TIME MONITORING

Find out more:  
[www.mpfiltri.com](http://www.mpfiltri.com)

PASSION TO PERFORM



# LPA3

## The world's most advanced mainstream portable particle counter

Whether you are working in the lab or in the field, MP Filtri's next-gen LPA3 delivers a fast, accurate and comprehensive hydraulic health check in a robust yet portable package.

It's real-time monitoring and predictive maintenance technology safeguards machinery, enhances performance and productivity, and reduces costs and unplanned downtime.

Featuring the latest breakthroughs in optical and photodiode technology, the new LPA3 enhances the reliability and longevity of complex hydraulic systems and is ideal for systems quality control in in-house manufacturing apps.

### KEY FEATURES

- Live real-time monitoring
- Super-fast sample times
- Programmable 10.1" (25.6cm) touch-screen display
- Predictive maintenance technology
- Increased programmable sample volumes
- Live trend analysis option
- Key performance information at a glance
- Ideal for hydraulic, lubrication, and subsea fluids
- Long-life lithium ion battery
- Increased integrated memory capacity from 600 to 4000 tests
- Integrated printer
- Instant results downloadable via USB stick



### SPECIFICATION



<b>Technology</b>	LED based light extinction automatic optical particle counter
<b>Particle Sizing</b>	>4, >6, >14, >21, >25, >38, >50, >70 µm(c)
<b>Analysis Range</b>	ISO 4406:2017 Code 8 to 24 NAS 1638 Class 2 to 12 AS4059/ISO11218 Rev E, Table 1 Size Codes 2-12 AS4059/ISO11218 Rev E, Table 2 Size Codes, A:000 to 12, B:00 to 12, C:00 to 12, D:2 to 12, AS4059 Rev F, Table 1 Size Codes 2-12 AS4059 Rev F, Table 2 Size Codes, cpc[000 to 12, 00 to 12, 00 to 12, 2 to 12, 4 to 12, 7 to 12] GBT14039 Code 8 to 24 GJB420B Size Codes, A:000 to 12, B:00 to 12, C:00 to 12, D:2 to 12, E: 4 to 12, F: 7 to 12 GOST Code 0 to 17 (in development)
<b>Accuracy</b>	± 1/2 code for 4, 6, 14µm(c) ± 1 code for larger sizes
<b>Calibration</b>	Individually calibrated with ISO Medium Test Dust (MTD) based on ISO 11171, on equipment certified by I.F.T.S. ISO 11943
<b>Viscosity Range</b>	Up to 400cSt
<b>Fluid Temperature</b>	<b>Minimum:</b> +5°C / +41°F <b>Maximum:</b> +80°C / +176°F
<b>Ambient Temperature</b>	<b>Minimum:</b> -10°C / +14°F <b>Maximum:</b> +80°C / +176°F
<b>Pressure</b>	<b>Minimum:</b> 2 bar / 29 PSI <b>Maximum:</b> 420 bar / 6091 PSI
<b>Sample Volume</b>	Maximum 100ml / 0.035 fl oz per pump stroke Test Volumes programmable by end user Pre-set volumes also available
<b>Data Storage</b>	Up to 4000 tests
<b>Environmental Protection</b>	<b>IP 66</b> (Lid closed) <b>IP54</b> (Lid open)
<b>Power</b>	Lithium-Ion rechargeable battery 18-19v 2.1-3.0A
<b>Weight</b>	10 kg / 22lbs
<b>Product Dimensions</b>	<b>Width:</b> 435mm / 17" <b>Height:</b> 292mm / 11" (not including handle) <b>Depth:</b> 155mm / 6"

To find out more about the LPA3

Call us: **+44(0)1451 822 522** or visit: **mpfiltri.com**