

qMicro

Rapid, Simple and Accurate Analysis of Cells and other micro particles.

Many cell-based studies require cells to be counted in order to standardize cell concentration between different samples in an experiment. qMicro uses Izon's Tunable Resistive Pulse Sensing (TRPS) technology to determine the size and concentration of an unknown sample. The particle-by-particle analysis technique allows qMicro to report the size and concentration of cells or any other micro particles with unparalleled accuracy.

This has resulted in a simple, robust, easy to operate system, which is accessible to a wide range of labs.

Key Features

- Accurate sizing and counting of cells and other micro particles
- Rapid and easy to use – minimal skills required
- Reagent free, whole sample analysis.
- Robust, low maintenance design
- Small footprint. portable

Accurate sizing and counting of cells and other micro particles

Obtain accurate size distribution of your sample using TRPS' particle-by-particle analysis technique. qMicro allows reporting of precise size and concentration (particles/mL) of both biological and synthetic particle samples. Particle's dynamics and stability can also be tracked in real-time which make qMicro ideal for analysis of micro-scale samples which change in size over time.



Rapid and easy to use

qMicro's unique design means user can immediately start measuring their carefully prepared samples without much training. The simple user interface of Izon's Control Suite Software (CSS) guides user from instrument setup through to data analysis.

The simplicity of qMicro's design together with Izon's CSS makes qMicro the most desirable and powerful analysis tool for quick data analysis. Improve productivity with rapid analysis of particle size and count, freeing up valuable time.

Use it as an educational tool in high school or undergraduate programme to introduce young students to advanced research techniques.

Reagent free, whole sample analysis

qMicro measures entire sample with minimal sample preparation and without expensive reagents. qMicro's unique design also allows for the measured samples to be recovered, allowing researchers to retain precious samples for further analysis and characterisation.

Robust, low maintenance design

qMicro's pore-based mechanism is robust and low maintenance. This results in reduced downtime or service requirement compared to other systems, which have fragile or expensive parts

Small footprint. Portable

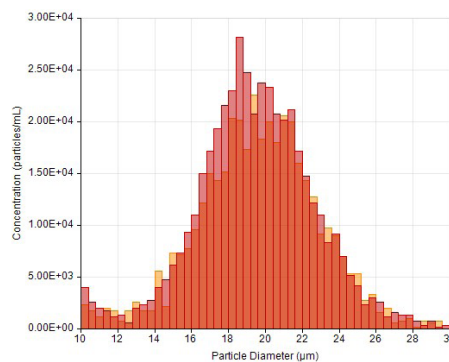
qMicro is very small. The compact and portable design maximizes your work space and allows you to easily move your qMicro around the lab as required

Particle size	4 µm-300µm+
Sample Volume	1 µL - 1 mL
Fluid composition:	Ranges from low conductivity electrolytes, such as tap water, to physiological buffers.
Footprint	0125 mm
Height	140 mm
Weight	1.5 kg
Data connection	USB



About IZON Science

Izon provides customers with complete solutions, primarily for accurate nano-particle size, charge and concentration characterisation including precision instrumentation, consumables and reagents. Izon Science has undertaken extensive research and development in partnership with users to ensure that its instruments can deliver accurate, reproducible and reliable data to support your research. Izon's integrated measurement system is regarded as essential equipment in a wide range of organisations including research institutes, universities and scientific companies.



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