NanoPULS™

THE LATEST PARTICLE COUNTER FOR UPW

Innovative and robust technlogy for nanoparticle detection
based on high-intensity ultrasound technology

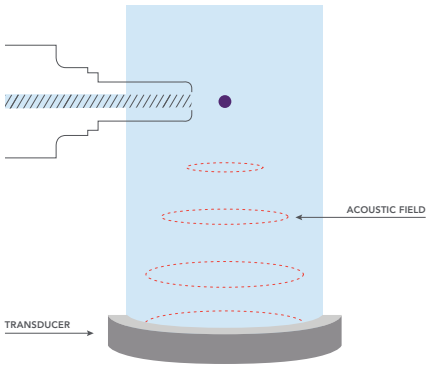
OVIVO

Worldwide Experts in Water Treatment

NanoPULS

The NanoParticle ULtrasound Sensor (NanoPULS) is an online particle counter for semiconductor grade Ultrapure water (UPW).

The measurement principle is based on acoustic cavitation. This method guarantees a high signal-to-noise ratio for the smallest particles.



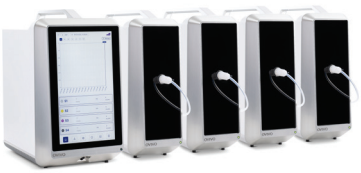
INNOVATIVE DESIGN AND TECHNOLOGY

With built-in flow sensors, self-monitored and controlled flow conditions and an intuitive operating interface, the NanoPULS features several innovations to allow a stand-alone, easy-to-use and robust detection of nanoparticles in UPW.

Thanks to its modular design, the NanoPULS can measure up to 4 size channels or sample points simultaneously.

NanoPULS-1X

NanoPULS-2X



NanoPULS-4X

CHARACTERISTICS

NanoPULS PARTICLE COUNTER	
SIZE CHANNELS	≥ 5 nm, ≥ 10 nm, ≥ 20 nm or ≥ 50 nm
INTERFACE	13.3" touchscreen
MEASUREMENT FREQUENCY	1 reading per min
COUNTING RANGE	0 … 3'000 p/mL
ZERO COUNT LEVEL	< 100 p/L
CONNECTIONS	UPW inlet ¼"
	UPW outlet ½"
POWER	100 – 240 VAC

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Ovivo is a global leader in water solutions for the semiconductor industry and stands as a founding member of the Semiconductor Climate Consortium (SCC), a pioneering initiative dedicated to fostering climate progress within the industry.

KEY FEATURES

DETECTION
High signal-to-noise ratio nanoparticles down to 5 nm

INTERFACE
13.3" touchscreen, clear monitoring, easy data export

PLUG-AND-PLAY
Intuitive installation and operation

STANDALONE SOLUTION
No external consumables or computer required

FLEXIBILITY
Compact and modular design, up to 4 Sensor Units

FLOW CONTROL
Built-in sensors for flow and pressure monitoring

SELF-SECURE
Automatically turns off measurement when no flow

STATE-OF-THE-ART
Unique techonlogy and design, patent pending

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