



NanoPULS™

The latest particle counter for UPW

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

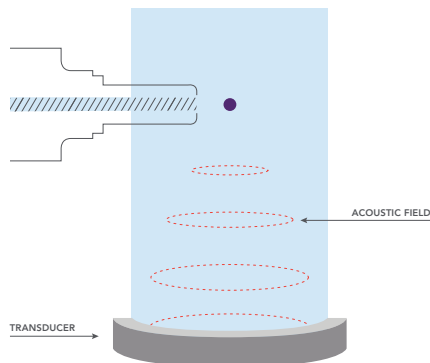


Bringing water to life®

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	$\geq 5 \text{ nm}$, $\geq 10 \text{ nm}$, $\geq 20 \text{ nm}$ or $\geq 50 \text{ nm}$
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 1/4"
	UPW outlet 1/2"
POWER	110 – 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.

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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 Technology and design

PATENT
PENDING

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