



## AQMesh particle counter specification

Source	Laser
Method	Light scattering optical particle counter
Range	0.3 $\mu\text{m}$ – 30 $\mu\text{m}$
Sensitivity	<1 $\mu\text{m}$
Counter performance	Max count rate 3.3 kHz (3,333 counts / second) Zero count rate < 1 / minute
Number of channels	32
Flow rate	0.5 litres / min
Particle count range	0-1,000 particles / $\text{cm}^3$
PM2.5 range	0-500 $\mu\text{g}$ / $\text{m}^3$
PM10 range	0-1,000 $\mu\text{g}$ / $\text{m}^3$

Conversion from particle count to mass assumes a spherical particle shape and standard density.

The particle counter is designed and manufactured by AQMesh.

The manufacturer reserves the right to vary AQMesh specification without notice – current specification should be checked before purchase.