



Continuous Microsensor Zaack Particle Counter Zaack CR®

>> FEATURES

Zaack CR® is the only compact plug & play cleanroom monitoring station that can measure particles in real time (**ISO 14644-2 standard**).

The integrated sensor is tested and calibrated according to the requirements **ISO 21501-4**.

Zaack CR® station connects to your monitoring service via the **ModbusIP** protocol
Data is automatically logged and saved on the client's server (**BMS**).
(Building Management System)



>> PARTICLE COUNTING

Particle size (6 channels)	>0,3 µm/ >0,5 µm/ >1 µm/ 2,5 µm/ >5µm />10 µm
Detection threshold	>0,3 µm
Unit	particle counts/m3
Lifetime*	> 8 years for 24-hour use
Sampling flow rate	0.13 L/min
Range	>0,3 à 10 µm

*The lifetime will vary depending on usage conditions

>> ZAACK CR® SPECIFICATIONS

Communication	Ethernet or Wifi
Power supply	5VDC - 3A USB-C
Housing	ABS Plastic H170.3XL202 (207.6 with sample head) x P40.8mm
Connectivity	Ethernet or WIFI 2.4GHz et 5.0 GHz IEEE 802.11ac wireless
Protocol	Modbus IP (Port 502)
Usage conditions	Temperature 10 to 40°C Humidity 20-80% RH not condensed
Fixation	Magnet/ wall fixation/ Tripod



40.80 mm



Designed and
Manufactured in France

Published by Zaack© Zaack 2022

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>> CONNECTION

Please kindly contact Zaack support team by email digital@zaack.io BEFORE any installation.

IMPORTANT: In case of static IPs and wifi networks, please inform us beforehand

Zaack CR® can be connected in 2 different ways:

Ethernet Cable

We recommend this solution for a more reliable connection.

Wifi

The Wifi Network must be accessible wherever the Zaack CR® station is located.

>> PRE-INSTALLATION OF THE WALL PLATE

A power supply socket must be provided less than one meter away from Zaack CR®. The station will be attached to the wall using an aluminium wall plate. This plate is supplied before the installation in order to prepare its location at the same time as the power supply. It is fixed using 2 screws (model to be set according to the location).

