



» How clean is your indoor air really?

## AirWatch

Air monitoring for production halls

## » The AirWatch

**AirWatch** offers a permanent and detailed view of the Air quality in production halls. The fine dust measurements are carried out using a **highly sensitive laser process**. The sensor counts and differentiates the dust particles according to their size distribution. On the one hand, it calculates extremely exact, weight-related values. Also it detects dust particles that are particularly hazardous to health and are smaller than 0.3 micrometers.

The following four particulate values provide precise information about the Air quality:

- » Particulate value for PM10 particles
- » Particulate value for PM2.5 particles
- » The number of fine dust particles per m<sup>3</sup> of indoor air
- » The distribution of the particles according to their size

With **AirWatch** you will receive permanent information on the air quality in your factory - around the clock. In addition, you will recognize by the permanent recording of data, trends or effects of changes in production. You control connected general ventilation systems automatically and as needed. Through the use of mobile phone technology, a **cloud-based** machine-to-machine-Communication is possible, without any intervention in your company network. **Plug & Play**.

## » Properties

- » Optical, laser-operated measurement techniques
- » LED illuminated surface to indicate the air quality on the AirWatch itself (green, yellow, red)
- » Individual limit values and alarm thresholds adjustable
- » Uses cellular mobile technology for networking (no interference with company networks)
- » Fleet management via cloud connection  
Display of particle count, size distribution, PM 2,5 and PM10 on Smartphone, Tablet and PC
- » Extensive evaluation options in the dashboard
- » Measuring range particle size from 0.1 µm



Even for Wall mount suitable

## » Internet of Things (IoT)

**AirWatch** is a communication talent. The recorded measured values are transmitted in a cloud together by means of **cellular mobile technology** - completely without Intervention in the company network. Via your own dashboard, you can connect to from **anywhere access to data** and all machines in the network. Stored limit values determine when connected general ventilation systems switch on or off with the aim of reducing energy costs.



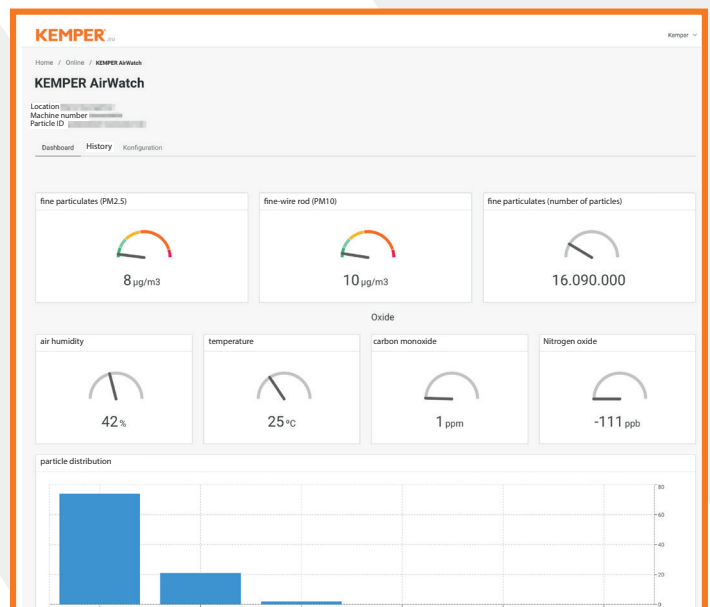
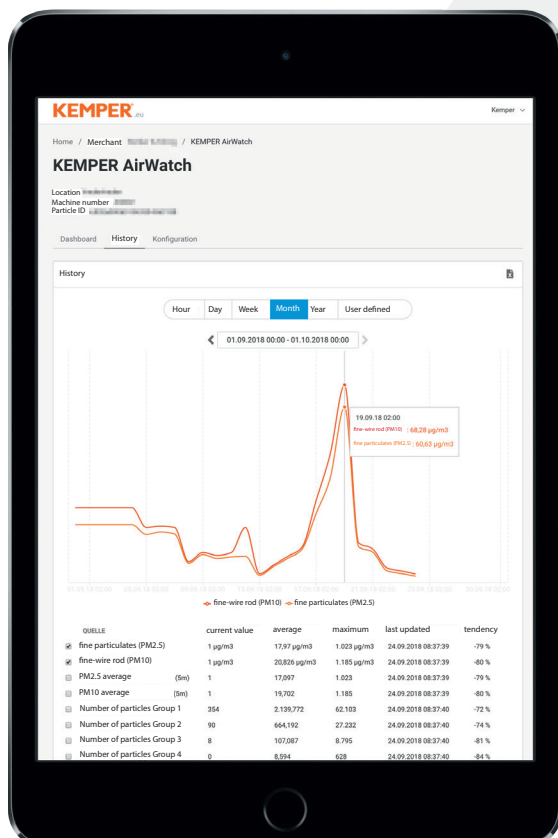
## » Your advantages and benefits with AirWatch

**Control:** Are you within the legal limits? Do you comply with the target values you have set yourself?

**Energy cost savings:** Via the connection between AirWatch, Cloud and KEMPER general ventilation and extraction systems

**Security:** By documentation through detailed measurements and storage of data

**Strengthen trust:** Presentation of the effectiveness of Occupational health and safety measures for employees on the AirWatch itself, on Smartphone, Tablet and PC



# » internationally represented optimal consulting worldwide

**Deutschland (HQ)**  
**KEMPER GmbH**  
Von-Siemens-Str. 20  
D-48691 Vreden  
Tel. +49(0) 25 64 68-0  
Fax +49(0) 25 64 68-120  
mail@kemper.eu  
www.kemper.eu

**United Kingdom**  
**KEMPER (U.K.) Ltd.**  
Venture Court  
2 Debdale Road  
Wellingborough Northamptonshire  
NN8 5AA  
Tel. +44(0) 8081 7827 40  
Fax +44(0) 8081 7827 42  
mail@kemper.co.uk  
www.kemper.co.uk

**France**  
**KEMPER sàrl**  
7 Avenue de l'Europe  
F-67300 Schiltigheim  
Si vous appelez de France  
Tél. +33(0) 800 91 18 32  
Fax +33(0) 800 91 90 89  
De Belgique ou de l'étranger  
Tél. +49(0) 25 64 68-135  
Fax +49(0) 25 64 68-40 135  
mail@kemper.fr  
www.kemper.fr

**Česká Republika**  
**KEMPER spol. s r.o.**  
Pyšelská 393  
CZ-257 21 Poříčí nad Sázavou  
Tel. +420 317 798-000  
Fax +420 317 798-888  
mail@kemper.cz  
www.kemper.cz

**United States**  
**KEMPER America, Inc.**  
1110 Ridgeland Pkwy  
Suite 110  
Alpharetta, GA 30004  
Tel. +1 770 416 7070  
Tel. US 800 756 5367  
Fax +1 770 828 0643  
info@kemperamerica.com  
www.kemperamerica.com

**Nederland**  
**KEMPER B.V.**  
Grevelingenweg 10  
NL-3249 AE Herkingen  
Verkoopkantoor  
Tel. +49(0) 25 64 68-137  
Fax +49(0) 25 64 68-120  
mail@kemper.eu  
www.kemper.eu

**España**  
**KEMPER IBÉRICA, S.L.**  
Avenida Diagonal, 421  
E-08008 Barcelona  
Tel. +34 902 109-454  
Fax +34 902 109-456  
mail@kemper.es  
www.kemper.es

**India**  
**KEMPER India**  
55, Ground Floor, MP Mall  
MP Block, Pitam Pura  
New Delhi -110034  
Tel. +91.11.42651472  
mail@kemper-india.com  
www.kemper-india.com

**Polska**  
**Kemper Sp. z o.o.**  
ul. Miodowa 14  
00-246 Warszawa  
Tel. +48 22 5310 681  
Faks +48 22 5310 682  
info@kemper.pl  
www.kemper.eu

Your KEMPER sales partner:

Do you have any questions?  
We will be happy to advise you!