

# KAPTA™ 2000 - AC2

## Your water quality under control

### Kapta™ 2000-AC2 products line-up

Kapta™ 2000-AC2 products line-up is a simple, reliable and competitive solution to control water disinfection.

- **Kapta™ 2000-AC2 chlorine probe**

- > Active chlorine and temperature direct measurement (0-2 or 0-5 ppm).
- > Measurement of disinfection main species: HOCl, HOBr or ClO<sub>2</sub>.
- > Water networks real time control.
- > No drift or maintenance during at least 1 year (in drinking water).

- **Kapta™ 2000-AC2 controller**

- > Chlorine calibration in factory.
- > Automatic compensation in temperature and pH.
- > Automatic conversion from active chlorine measurement into free chlorine.
- > 2 analog outputs 4-20 mA (chlorine and pH).

- **Kapta™ 2000-AC2 pH probe**

- > Key parameter of water quality management.
- > Essential for the conversion of the measure into free chlorine.

- **Kapta™ 2000-AC2 fluidic line**

- > Specially designed for a simple installation and an optimal use of probes.

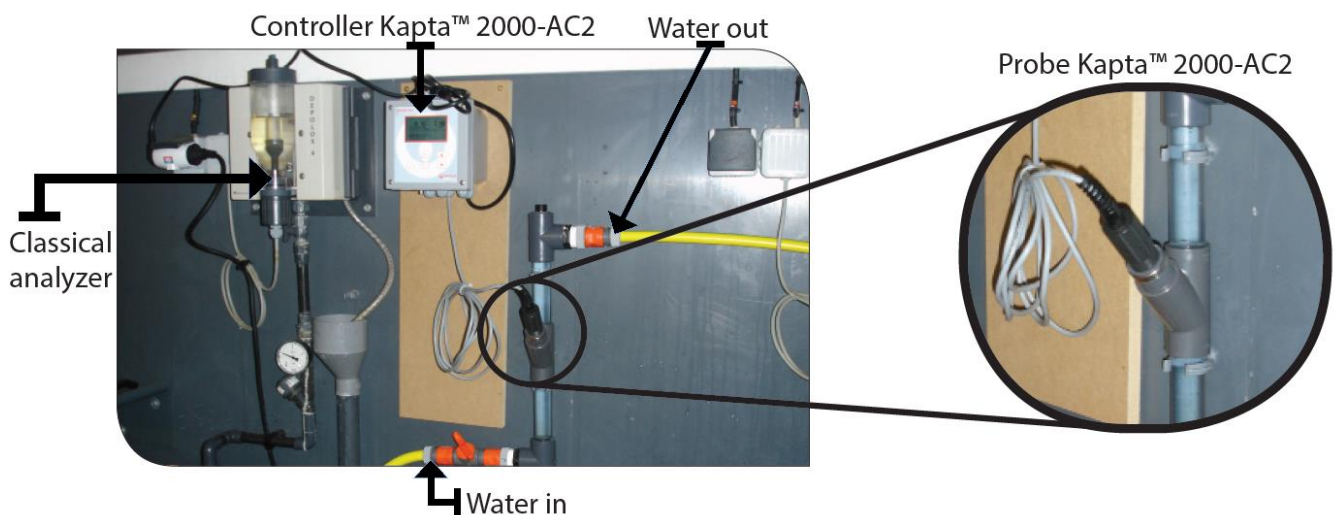


### Feedback from Veolia technical direction & performance

Kapta™ 2000-AC2 products range has been installed to monitor in-line disinfection in a drinking water production plant during 13 months.

- **The installation**

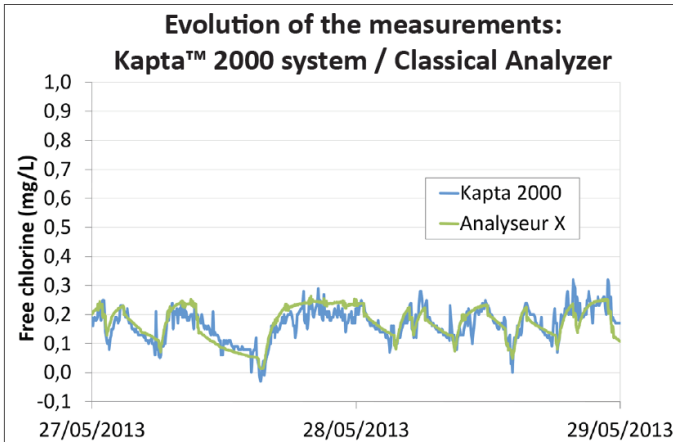
Kapta™ 2000-AC2 system is directly installed in pipe at the output of a chlorination tank (before distribution network). Punctual analysis are made in laboratory and compared with the measurement of a classical analyzer to qualify the solution.



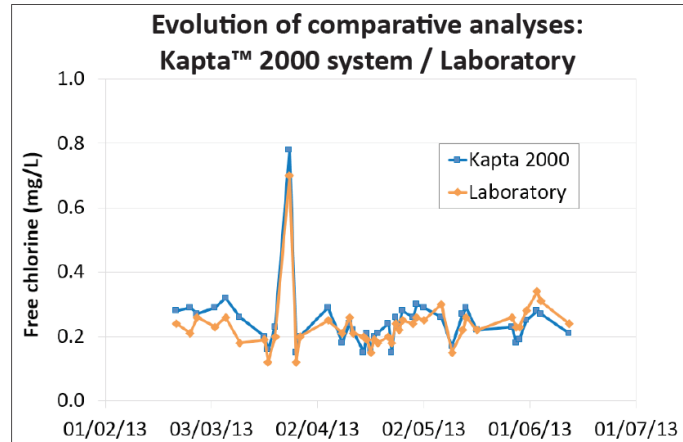
## Benefits

- Simple and quick installation (1h) / Compact system.
- Probe optimal operation thanks to Kapta™ fluidic line.
- No drift of chlorine measurement during the test period of 13 months.
- No calibration of chlorine probe.
- No change of measurement head.
- Reliable measurement – difference with laboratory measurement always < 0.1 mg/L.

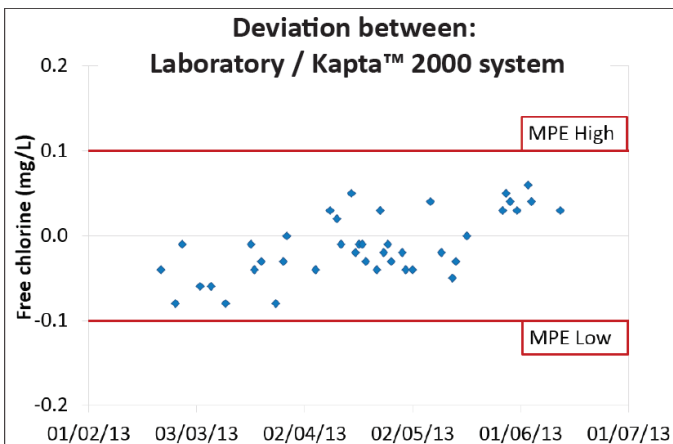
## Metrological performances



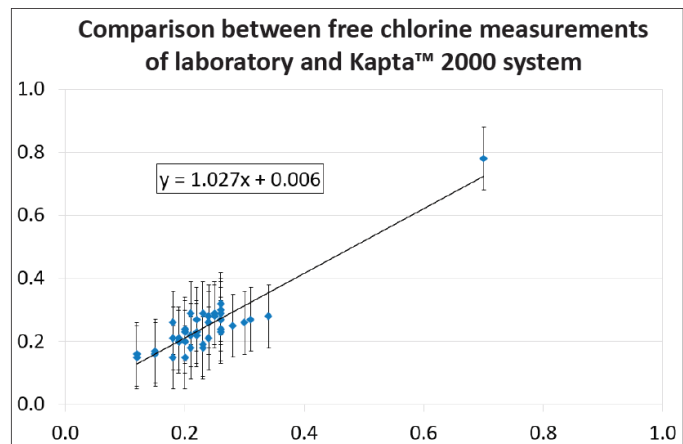
The measures match between Kapta™2000 system and a classical analyser



The measures match between Kapta™2000 system and laboratory



Difference with laboratory measurements are always lower than the maximal error accepted ( $\pm 0.1$  mg/L)



Kapta™2000 system measurement are reliable

## Conclusions

After a comparative analysis during 13 months in drinking water production plant, Veolia Technical Direction & Performance concluded that Kapta™2000-AC2 system is efficient and reliable.

Kapta™2000-AC2 system has also been validated by other study cases on site or is currently under validation in other domains of application as re-chlorination points on network.

**Kapta™2000-AC2 system is the answer from Neroxis  
to your water sensing needs**

# NEROXIS

NEROXIS SA | Rue Jaquet-Droz 1 | CH-2002 Neuchâtel | SWITZERLAND  
Email: [kaptadmin.vws@veolia.com](mailto:kaptadmin.vws@veolia.com) | Tel: +41 32 720 57 57  
[www.neroxis.ch](http://www.neroxis.ch)