



Linxens announces the development of a biocompatible pH sensor for accurate analysis in many fields of activity

Thanks to its R&D laboratory located in Mantes la Jolie, Linxens has developed a pH sensor on a flexible substrate and adapted to customer needs, offering an economical and efficient alternative.

Levallois-Perret, France – July 11, 2024 – Linxens, a global expert in the design and manufacture of electronic components for various sectors including healthcare, presents the development of a sensor for measuring pH in different environments.

pH: an essential parameter

pH allows us to see and monitor many parameters. In fact, dry skin, very hard water, a poorly disinfected swimming pool, an environment infected by microorganisms... many phenomena whose state can be evaluated with a simple pH measurement. The data provided by the pH is applicable in various fields of activity to guarantee the quality, safety and efficiency of products and processes. For a long time, pH analysis was carried out only by means of pH strips which are unreliable or by means of electrodes in a laboratory with a pH meter or photometer but their use is limited.

An innovative solution for multiple applications

Linxens has found a reliable and economical solution with the pHSensor, developed by its R&D department and patented in 2019-2020. It is a potentiometric sensor using carbon nanotubes and a conductive polymer. This sensor maintains its effectiveness even in highly oxidizing environments. It is thus capable of collecting and analyzing pH information regardless of the environment.

pH is an essential parameter, used in many fields to quickly evaluate and diagnose the state of an environment. In fact, it can affect the stability, reactivity and safety of substances and is a primary indicator in many sectors of activity. Indeed, in the food industry, it is a guarantee of the quality of food, in the environmental field it allows to verify the quality of water and soil, preventing environmental problems. In the medical field, pH analysis helps to diagnose and treat health problems and to monitor the healing process.

"Thanks to its expertise in the design and manufacture of electronic solutions, Linxens is able to offer high-quality products that meet the needs of its customers. The pH sensor is an example of Linxens' commitment to innovate and provide cutting-edge solutions to meet current and

future challenges," said **Catheline Ramsamy, Ph. D, Sales Manager EMEA at Linxens Healthcare.**

About Linxens:

For over 40 years, Linxens has been a global leader in the electronics industry, providing innovative, customized component-based solutions to meet the most demanding technical specifications for connectivity, traceability and authentication. Linxens is the supplier of choice for many of the world's pioneers in technology-driven markets such as payment, mobility, telecommunications, access control, e-Government, healthcare and the IoT. Linxens has a unique infrastructure to meet the specific needs of its customers, from prototyping to mass production, supported by roll-to-roll manufacturing capabilities. To better offer its solutions and expertise to the healthcare market, the Group has developed a dedicated offering under the Linxens Healthcare brand, which includes solutions in electronic skin patches / wearables, biosensor manufacturing and connected solutions. Linxens has 7 R&D centers and 8 factories worldwide, and employs over 3,500 people. <https://healthcare.linxens.com/>

Press Contacts :

the messengers agency

Hannah Grunbaum / Pauline Moreau / Alicja Prod'homme

linxens@themessengers.fr

+33 6 82 14 26 54 / +33 6 34 42 16 53