

## PRESS RELEASE

### Cybersecurity and connectivity to monitor oral anticoagulation therapies

- *The Tekniker technology centre has applied its state-of-the-art technology and expertise to develop the professional microINR expert coagulation meter.*
- *One of the most outstanding features of this product designed for iLine Microsystems is its improved and user-friendly interface. It also offers full data traceability.*

[Eibar, 9 February 2023] – In an increasingly digitalised healthcare environment, new connectivity and cybersecurity technologies are nowadays essential to ensure correct patient data use and traceability.

Tekniker, a technology centre with extensive experience in the area of electronics and the design of precision medical devices, has collaborated in the fine-tuning of a new generation of in-vitro diagnostic systems made by iLine Microsystems.

More specifically, a team of Tekniker professionals has been involved in the area of mechanical and hardware design as well as in the implementation of the embedded and cybersecure software used by the innovative portable microINR Expert coagulation meter.

MicroINR Expert will now join the list of products developed for [iLine Microsystems](#). The most salient feature of this coagulation meter is that it has been designed to only be used by healthcare professionals. Thanks to the communication protocols set up for the different connectivity options, it is easy to integrate the device in different kinds of hospital management IT systems.

Jorge Berzosa, a Tekniker researcher, explains that “by working together, iLine and Tekniker have developed a lightweight, compact, cybersecure and connected device fitted with a high resolution touch screen and an improved user interface designed to meet usability standards. The device, moreover, allows hospital data compiled in data bases to be sent directly and automatically via wifi, Bluetooth LE 5.0 or Ethernet”.

In order to guarantee that stringent security and traceability standards are met, the system incorporates a bar code that identifies patients and healthcare professionals.

## Official launch in the European market

Subsequent to obtaining the CE marking, the microINR Expert device was launched in the market in November 2022 and was widely acclaimed by iLine Microsystems' most important customers.

In order to do so, Tekniker's know how was essential to develop embedded medical devices and meet specific sectoral regulations (ISO 13485, IEC 62304, ISO 14971), as well as usability and security standards (IEC 60601, IEC 62366, UL2900).

## More about Tekniker

Tekniker is a technology centre specialised in advanced manufacturing, surface engineering and materials and ICTs or production. Its mission is to further growth and wellbeing via R&D&i for society by helping to enhance the competitiveness of the industrial fabric in a sustainable manner. Tekniker is a member of the Basque Research and Technology Alliance (BRTA).

## More about iLine

iLine Microsystems specialises in developing and manufacturing in-vitro diagnostic systems. This Gipuzkoa-based company has become one of the world's leading references with regard to designing and manufacturing innovative Point of Care diagnostic devices for the clinical area of haemostasis. The ultimate goal of the organisation's research activities is focused on improving the efficacy and security of medical therapies and clinical practices as well as enhancing quality of life for patients.

### More information:

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