



## **IloT: New LoRaWAN® NETRIS® radio units from WIKA enable connectivity from the measuring instrument to the cloud**

**Klingenberg, April 2025. With its NETRIS® family, WIKA has launched three radio units that ensure seamless and secure transmission of measured data in IloT applications. The instruments allow battery-powered wireless transmission via the licence-free LoRaWAN® (“Long Range Wide Area Network”) radio standard. This enables long ranges of up to 10 km and a long battery life of up to 5 years. The radio units can be easily configured via WIKA’s web-based IloT cloud platform and the LoRaWAN® network, in some cases also via mobile devices using the “myWIKAI wireless device” app.**

The NETRIS® instruments are part of WIKA’s IloT platform, which is available either as a software-as-a-service or on-premises solution. The cloud platform offers full end-to-end encryption with bi-directional communication for a secure IloT environment. Standard sensors can be connected to the compact NETRIS®1 and -2 radio units to transmit measured data wirelessly to the cloud for big-data analysis. In addition to the licence-free LoRaWAN® and mioty® radio standards, the NETRIS®1 instrument uses Bluetooth® for configuration and short-range data transmission.

WIKA has developed the NETRIS®2 and -3 Ex radio units for centralised, web-based remote monitoring of measured data in hazardous areas. NETRIS®2 receives the data via two intrinsically safe, analogue 4 ... 20 mA input signals, while NETRIS®3 already receives the data digitally from a WIKA measuring instrument via an intrinsically safe interface. The fully encapsulated instruments with IP55 or IP65 ingress protection continuously transmit the information to the cloud via configurable data packets using LoRaWAN®.

Number of characters: 1,632

Password: NETRIS

### **Manufacturer:**

WIKAI Alexander Wiegand SE & Co. KG

Alexander-Wiegand-Straße 30

63911 Klingenberg/Germany

Tel. +49 9372 132-0

Fax +49 9372 132-406

vertrieb@wika.com

[www.wika.com](http://www.wika.com)

**WIKAI company photograph:**



NETRIS® family

**Edited by:**

WIKAI Alexander Wiegand SE & Co. KG

André Habel Nunes

Marketing Excellence

Alexander-Wiegand-Straße 30

63911 Klingenberg/Germany

Tel. +49 9372 132-8010

[andre.habel-nunes@wika.com](mailto:andre.habel-nunes@wika.com)

[www.wika.de](http://www.wika.de)

WIKAI press release