

Telik Wireless Power Monitoring



Telik Gardo.



Telik Trafo Lite.



Telik Trafo.

Reliable power systems depend on early detection of problems and clear visibility of energy use. Telik wireless power monitoring provides three practical solutions that make this possible for power distribution companies, substations, distribution transformers, and electrical panels.

Telik Gardo, the 'Switchgear Temperature Monitoring', is a wireless temperature monitoring system created for medium-voltage substations. Small, passive RFID sensors are fixed directly onto critical busbar connections to measure temperatures from -20 to 125 °C with ± 2 °C accuracy. Because the sensors are battery-free and transmit readings wirelessly up to 2 meters, there is no need for complex wiring. This makes for simple and safe installations even in energized panels. The system operates from 100 to 240 Vac, monitors up to 48 points, connects through RS485 using Modbus-RTU, integrates with SCADA and cloud platforms via an IoT Gateway. And the device mounts easily on a DIN rail. It enables continuous monitoring, is designed for demanding environments, and aids in preventing unexpected failures.

Telik Trafo Lite IoT Temperature Transmitter, the 'Transformer Monitor', focuses on transformer monitoring. It can be installed and used without any physical modifications to equipment. For example, a utility company can install the device on an existing transformer without shutting it down or modifying its structure, thus allowing temperature monitoring to start immediately with minimal disruption. It measures from -40 to 125 °C with 0.1 °C resolution and ± 3 °C accuracy. Data can be sent at intervals ranging from 1 minute to 24 hours, by selecting the flexible acquisition settings. Powered by two long-life lithium batteries that can last up to 10 years, and protected by an IP66 flame-retardant housing, it provides durable, low-cost connectivity. Configuration is done through NXperience software via USB or LoRaWAN.

Telik Trafo IoT Energy Meter, the 'Transformer Overload & Energy Balance Monitor', monitors transformer output by measuring three-phase voltage, current, power, energy, and frequency. It stores up to 13,000 records, logs every 5 minutes, communicates through LTE, NB-IoT, 2G, and Wi-Fi, and includes anti-tamper protection and backup power.

Together, these solutions provide dependable data, easy integration, and a smart investment in grid reliability. Call us for more information on wireless power monitoring.

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