



# iSMART 2 + KOLEKTOR

Your data, our technology -  
intelligent measurement system

In today's rapidly changing world, precision and data are key to optimizing energy consumption and increasing operational efficiency.

We are pleased to present the latest generation device – **iSmart2 gas meter**, compatible with the IoT communication technology in cooperation with a high-performance and secure data collection system **KOLEKTOR**.

The presented solutions are designed to provide seamless communication, real-time data analysis and powerful automation for the gas industry.

Whether you are a gas distribution network operator, retailer or customer, our solution changes the way you do business for the better gas monitoring, measurement and billing.



## Key features and benefits:

### 1. IoT data transmission (frequent communication, low battery consumption)

- Instant access to consumption data: IoT-enabled iSmart2 gas meters ensure continuous and stable data transmission to the KOLEKTOR system.
- Accurate readings: Eliminate human errors and reduce inconsistency in visual readings with automatic data transmission.

### 2. Remote monitoring and control

- Greater efficiency for operators: enables remote diagnostics, monitoring and control, reducing the need for on-site visits.
- Preventive maintenance: The solution helps to detect anomalies and predict maintenance needs before they become critical, reducing downtime and unexpected costs.

### 3. Versatility

- The use of a common electronic counter for all sizes of our bellows gas meters simplifies implementation, maintenance, training and servicing.
- UG iSMART 2 is a new generation intelligent gas meters from Apator Metrix. Links an innovative intelligent module with a robust bellows gas meter, based on over 70 years of experience in product design.
- The new intelligent module digitizes the rotation of the mechanical counter using patented energy-saving semiconductor Hall sensors. There are no moving parts in the module. The use of dual sensors allows for the detection of flow and reverse flow.
- The module also supports intelligent features such as a shut-off valve, communication, and customer-specific functions. Microkernel real-time operating system provides flexibility and security. The electronic architecture of the intelligent module enables the implementation of various communication modules.

### 4. Easy data sharing and integration

- Easy integration: seamless integration with existing AMR (Automatic Meter Reading) and ERP (Customer Receiving Systems) systems, via dedicated APIs enabling smooth data flow and accurate invoicing.
- Data availability: operators and retailers can access consumption data for: easy billing, tariff calculation, allocation, demand forecasting and auditing.

### 5. Energy and cost efficiency

- Energy optimization: Detailed insight into consumption helps companies make more informed decisions about energy use, leading to cost savings.
- Reduction of operating costs: thanks to automatic reading and remote control, costs associated with manual interventions and inaccurate billing can be reduced.

## 6. Advanced analytics and reporting

- **Historical insights:** Track long-term consumption patterns, identify trends and optimize consumption to reduce waste and improve efficiency.

## 7. Data security and reliability

- **End-to-end encryption:** Ensuring secure data transmission with robust encryption protocols.

## 8. Better service for your customers

- **Accurate billing:** End customers receive accurate and timely billing based on actual consumption data, eliminating billing errors or disputes.

- **Customized reports:** Generate detailed usage reports that help companies and operators with forecasting, budgeting and energy management strategies.

- **Reliable communication networks:** Enjoy reliable connectivity options via NB-IoT cellular networks.

- **Transparency:** Users have access to real-time consumption data via a web portal or mobile app, increasing data accessibility and satisfaction.

## Practical applications – how to optimize data measurement and management

**Case 1:**  
Industrial facilities and medium-sized enterprises



Monitor and manage gas consumption in multiple locations, optimize consumption and reduce energy costs.

**Case 2:**  
Gas distribution network operators



Improve your gas distribution and reduce operating costs with maintenance-free, automatic readings and ongoing monitoring.

**Case 3:**  
Gas retailers/utility services



Increase customer engagement with accurate billing and insight into actual usage. Improved revenue management and collection efficiency (remote gas valve control).

Are you interested in monitoring other media? Ask about the **OMNITORUS** system.

## Why choose our IoT-enabled gas meters?

- **Efficiency** - our solutions automate the processes of reading and monitoring data, reducing manual work and human errors.
- **Cost savings** - reduction of operating costs and maintenance costs through the use of live data analysis and remote capabilities.
- **Scalability** - suitable for implementation in small and large enterprises with the flexibility to adapt to needs.
- **Sustainable development** - contributes to energy savings thanks to optimized gas consumption and intelligent consumption management.

## Reduce costs and increase control over your gas consumption

**Contact us to learn more about how our IoT-enabled gas meters can enhance your gas management system.**

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The manufacturer reserves the right to make changes and improvements to products without prior notice.  
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### Are you interested in the system with gas meters?

#### Contact:



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### Are you interested in purchasing gas meters?

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