

VARIOSTEP

Great solutions for the support of energy trading

VARIOSTEP is a product line for energy control and management. Applications and modules of the VARIOSTEP product line are intended for deployment in industrial environment. The VARIOSTEP solution consists of applications, devices and complexes assembled for individual functions. The VARIOSTEP solution offers a scalable SW and modular HW suitable for data collection, monitoring and control of the energy economy.

MICROBOX

Line of I/O modules









- ▶ The MICROBOX product line have wide range of program features. I/O modules are designed for data collection, measurement and transfer of values to the concentrators layer. The basic MICROBOX I/O module software provides easy connection to MICRORTU concentrators and subsequent integration into the SCADA system. MICROBOX I/O modules enable communication via local interface with galvanic isolation optional RS232, RS485, RS422, CL20mA or optics. MICROBOX I/O modules can also be used for industrial process control, HDO signal filtering and processing, building automation and manufacturing processes, or remote infrastructure supervision.
- They are suitable for mass data collection from electric and water meters or other commodity meters. MICOROBOX I/O modules are equipped with basic software with optional features for special functions. They allow to combine data collection and communication with HDLC, IEC 870.5.101, MODBUS-RTU, MBUS and other protocols.

Configurations of product line MICROBOX

MICROBOX, model S

- 1 x relay output
- 2 x RS485
- 1 phase measurement of HDO on 2 frequencies simultaneously

MICROBOX, model T

- ▶ 4 x digital input, 2 x digital output
- ▶ 1 x RS485 + 1 x optics
- 3 phase measurement of HDO on 2 frequencies simultaneously

MICROBOX, model C

- ▶ 5 x optional digital input or output
- ▶ 1 x RS485 or RS232

A couple of words about us

We are a supplier of solutions for energy trading, energy and industry. Our solutions are aimed at energy suppliers, who provide their services to end clients, energy traders and energy management in industry. We have been on the market for 27 years and the Chartis report has recently included us in the elite club of **TOP 25 global technology players** on modern energy markets.

MICROBOX, model SA

As model S, second serial line replaced by analog output

MICROBOX, model L

- ▶ Industrial switch 4 x UTP / STP
 - + 2 x optics
- Optional Optical / Serial Media Converter

MICROBOX, model E

- ▶ 22 x optional digital input or output
- ▶ 1x RS485 or RS232 or optics

MICROBOX, model T23

- 3 phase measurement of HDO on 2 frequencies simultaneousl
- Advanced functions of HDO telegram recording
- Optional GSM / LTE model

Other configurations and features are available on request.



Get to know our other product lines as well

XENERGIE

- Trading and business
- Data management and review
- Invoicing of end customers
- Group service to customers
- Predictions
- Optimization

XAURON

- Configuration of the HDO transmitter load management system
- ▶ Configuration of switched mode objects, creation of circuit diagrams
- System monitoring
- Operational responses

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