

FUTURE E INSIGHT – MAXIMUM PERFORMANCE FOR YOUR ENERGY SYSTEMS

Monitor. Report. React.



The smart solution for centralized management

of your distributed systems - local and remote

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Your advantages at a glance:

- **System status:** Monitor the status of your local energy system by collecting specific data and making it transparent.
- **Early warning system:** We implement the analysis of the system operation for you and store specific functions, warnings and alarms in the event of recognizable wear out trends.
- **Individually customisable:** Connection of additional sensors and implementation of further functionalities according to your requirements by the FutureE application engineering team.
- **Secure data transmission:** Securely transmit collected data from your systems to your control centre and coordinate the internal processes for service and maintenance in a targeted and efficient manner.
- **Network management:** Access your local system remotely and carry out specific actions such as function test, etc.
- **Availability:** Increase the availability of your systems by automating service processes and drawing the right conclusions.



Mobile network



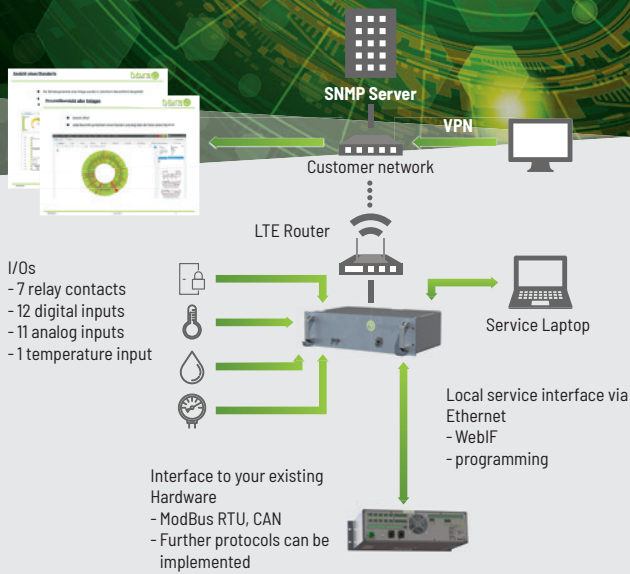
Business and Industry



Infrastructure

INSIGHT

Your system under control, anytime and anywhere



With the FutureE InSight monitoring system you have a comprehensive solution for monitoring and managing of your systems. Whether on site or remotely – InSight ensures that you have a continuous overview of the status of your system and are notified immediately if critical conditions occur. This allows you to proactively intervene and avoid blackouts.

Technical Specification

Mechanical properties		In-/output	
Dimensions (h x w x d)	132 [3 U] x 490 [19" Rack] x 350 mm	Supply voltage	+48V GND
Weight	11,5 kg	Grounding	1x M5 press-in thread
IP-protection	IP20	Power supply components	16x +24V (1,5A/24V)
Temperature range	-10 bis +45 °C	Analogue inputs	4 ... 20mA/0-10V (11 St.)
Air inlet	Base plate 27+18+27 slots per 5x19 mm	Temperature inputs	1x Pt-1000
Air outlet	Back D=78mm	Digital inputs	12x SIG 12x GND
Electrical properties		Communication Interface	
Max. power consumption	115 W	RS485	1x (GND D- D+ +24V)
Nom. voltage	48 V DC	Service (LAN, front panel)	1x RJ45 socket
Voltage range	36 - 72 V DC	LAN	1x RJ45 socket
Max. supply current	2,5 A	WAN	1x RJ45 socket
Fuse	2x D5x20 fine-wire fuse 2,5A	Data acquisition	MODBUS/RTU, MODBUS/TCP, SNMP, CAN (Other interfaces on request)
Switch-on temperature active air cooling	50 °C	Communication protocol	MODBUS/TCP, SNMPv1/3, MQTT
		Notification	E-mail/SMS

Technical Highlights:

- **Flexible and expandable:** Integration of additional sensors possible.
- **Early problem identification:** Optimise your maintenance processes through automated notifications in the event of failures.
- **Seamless infrastructure:** Thanks to support for SNMP, Modbus/TCP and MQTT, InSight can be easily integrated into your existing environment.

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More information:

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