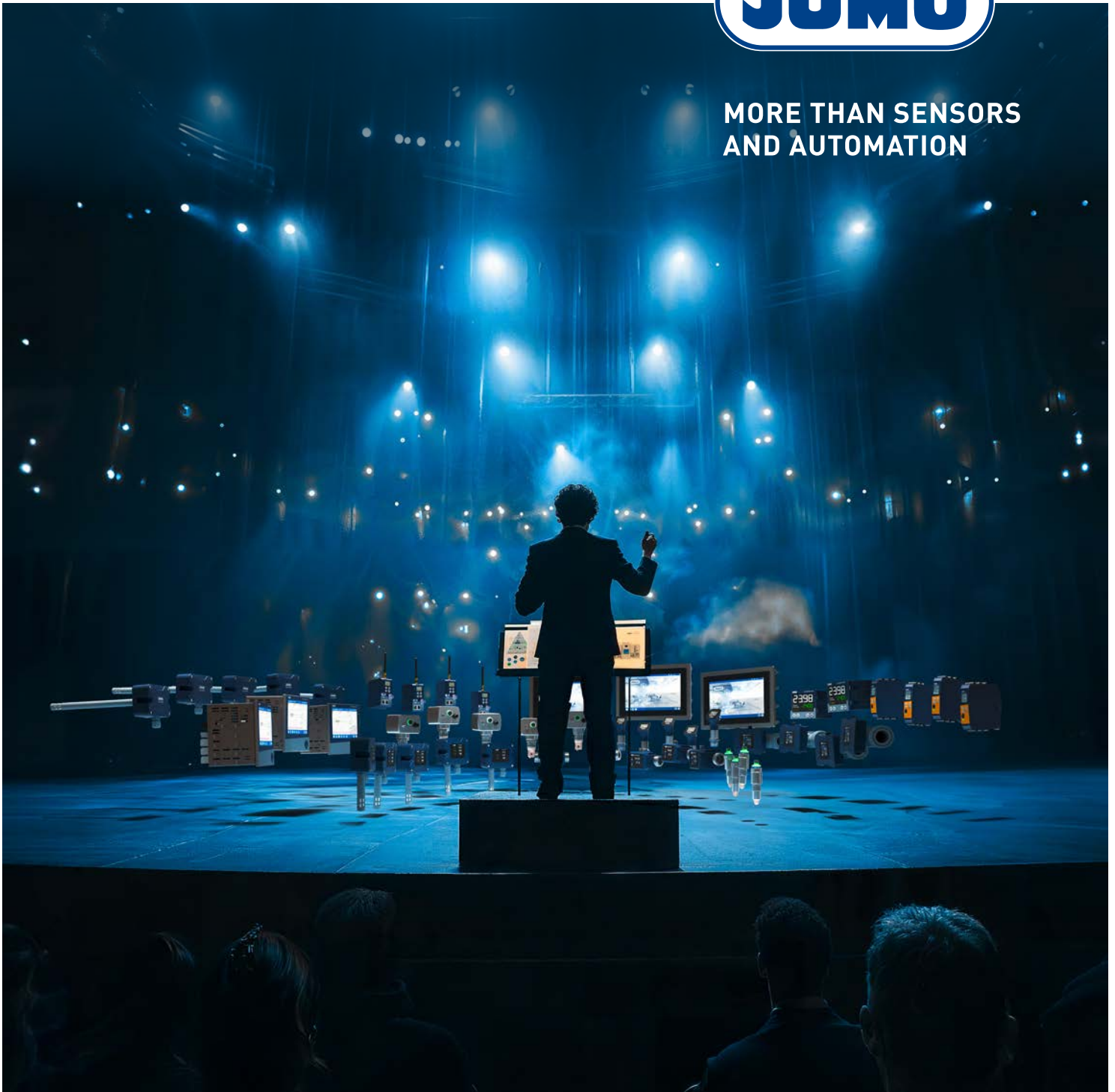




**MORE THAN SENSORS
AND AUTOMATION**



Curtain up for the JUMO ensemble!

Our Highlights and New Products

An orchestra of possibilities

Innovative. Digital. Efficient.

Sensors that can be combined with flexibility for a wide range of measurands, powerful automation systems, and innovative evaluation tools: industrial automation can be so easy. You can choose the technologies that are perfectly suited for you from a wide range of products and systems. JUMO Engineering enables you to find precise solutions for even the most complex requirements. Additional services are also available upon request. This diversity opens up unique opportunities and untapped potential on the market. You benefit from:

- Solutions perfectly tailored to the needs of your industry
- Professional support for the digitization of your plants
- Consistency from the field level to the control level
- Efficiency enhancements in your process landscape
- Reduction of the day-to-day workload



H2 ready

Tested according to HGV 3.1

In a dynamic industry such as hydrogen technology keeping up with the latest norms and standards is crucial. Our sensors have been extensively tested in accordance with the current **HGV 3.1 standard for hydrogen refueling systems**. The tests included hydrostatic strength and corrosion resistance, insulation resistance, resistance to stress corrosion, and atmospheric exposure. H2 ready at a glance:

- Sensor and automation technology for electrolyzers, fuel cells, hydrogen refueling stations, and H2 storage
- Pressure and temperature sensor technology specifically for hydrogen applications
- Material suitability for direct hydrogen contact



JUMO Care

Indescribably hassle-free

JUMO Care now makes using JUMO technologies even more convenient. The smart service package includes telephone support and remote maintenance, which guarantees maximum assistance in everyday industrial operations. This power package, which is available for all JUMO solutions, can be tailored to individual customer needs upon request. It can also include on-site appointments.

- Temperature and pressure calibration by JUMO
- Calibration set for relative humidity, conductivity, pH, and redox
- Configuration service for old and new configurations

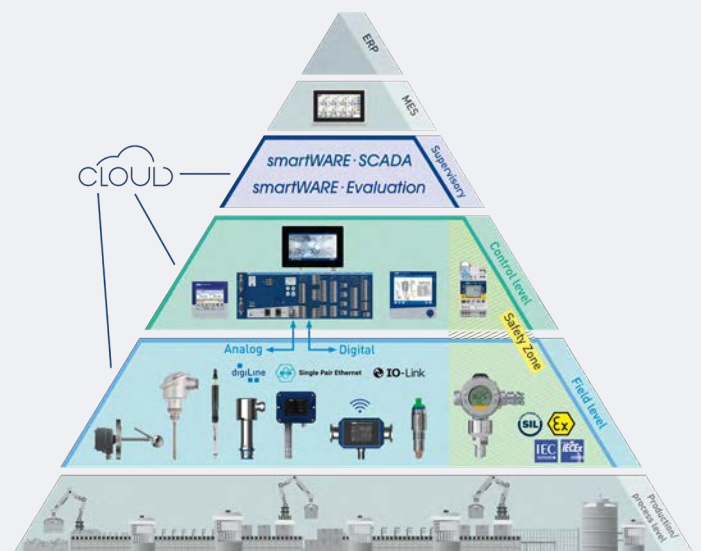


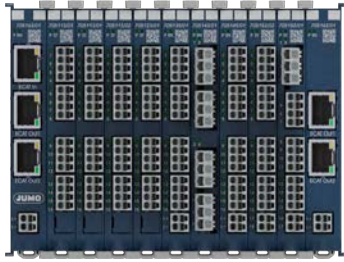
Precise and efficient complete solutions

From the sensor to the cloud

As a leading system and solution provider of sensor and automation technology we provide you with expert advice from the field to the monitoring level and effectively combine the stages of the automation pyramid that are relevant for the production and process industry. The requirements of the safety zone are also taken into account. What you get from us:

- Intelligent, network-capable sensors
- Scalable automation systems
- User-friendly software
- Cutting-edge communication via SPE/IO-Link
- Individual engineering solutions
- Extensive services





JUMO I/O system

Peripheral modules for automation systems

- Maximum flexibility due to diverse input, output, and relay modules
- Increased process reliability through independent controller module
- Comprehensive scalability due to modular design
- Cost reduction and increased efficiency through optimized system architecture
- Seamless integration into existing industrial networks due to modern communication modules
- Mixed operation of old and new modules possible



JUMO variTRON recorder app

Integrated in JUMO variTRON devices

- Browser-based live recorder screen
- Simple trend visualization of recorded process data
- Uninterrupted batch reports
- Tamper-proof security of the recording
- Up to 8 analog and 8 digital channels in 1 recorder screen
- Up to 20 recorder groups



JUMO diraTRON DR100

Multifunction controller for DIN-rail mounting

- Universal control of a wide range of measurands thanks to configurable measurement inputs
- Flexible use in a wide range of applications through multifunctionality
- Stable processes through high degree of control quality
- Smart startup thanks to autotuning
- Clear presentation of process information on a high-quality display with plain text



JUMO TYA HL series

1-phase and 3-phase thyristor controllers

- Flexibility through a wide area of application
- UL 508 certification for models up to 700 A
- Energy conservation through optional load management
- Process reliability and optimization through data logging
- Reduced space requirement in the control cabinet due to compact size



JUMO hydroTRANS H50

Humidity and temperature sensor for industrial applications

- Long operating life due to sensor coating
- Minimal downtime due to replaceable probes
- Easy reading of process data from the display with integrated data logger function
- Heated sensor for high-humidity applications
- Calibration certificate included in the scope of delivery



JUMO safetyM TA

Multifunctional safety limiter with fault tolerance

- Voting function for degraded plant operation
- SIL 2/SIL 3 according to DIN EN 61508 and PL c/PL d according to ISO 13849
- Universal input for pressure, flow, temperature, and level
- Flexible configuration of different SIF scenarios
- Increased plant availability



JUMO favoTRON

Compact PID controller

- Simple operation via intuitive user interface and plain text display
- Easy-to-use configuration on a PC through USB-powered interface and startup software
- Quick startup and secure cabling due to spring terminals with PUSH IN technology
- Precise time control of processes through program controller and timer function
- Minimization of downtime and increase in plant efficiency through service and operating hour counters



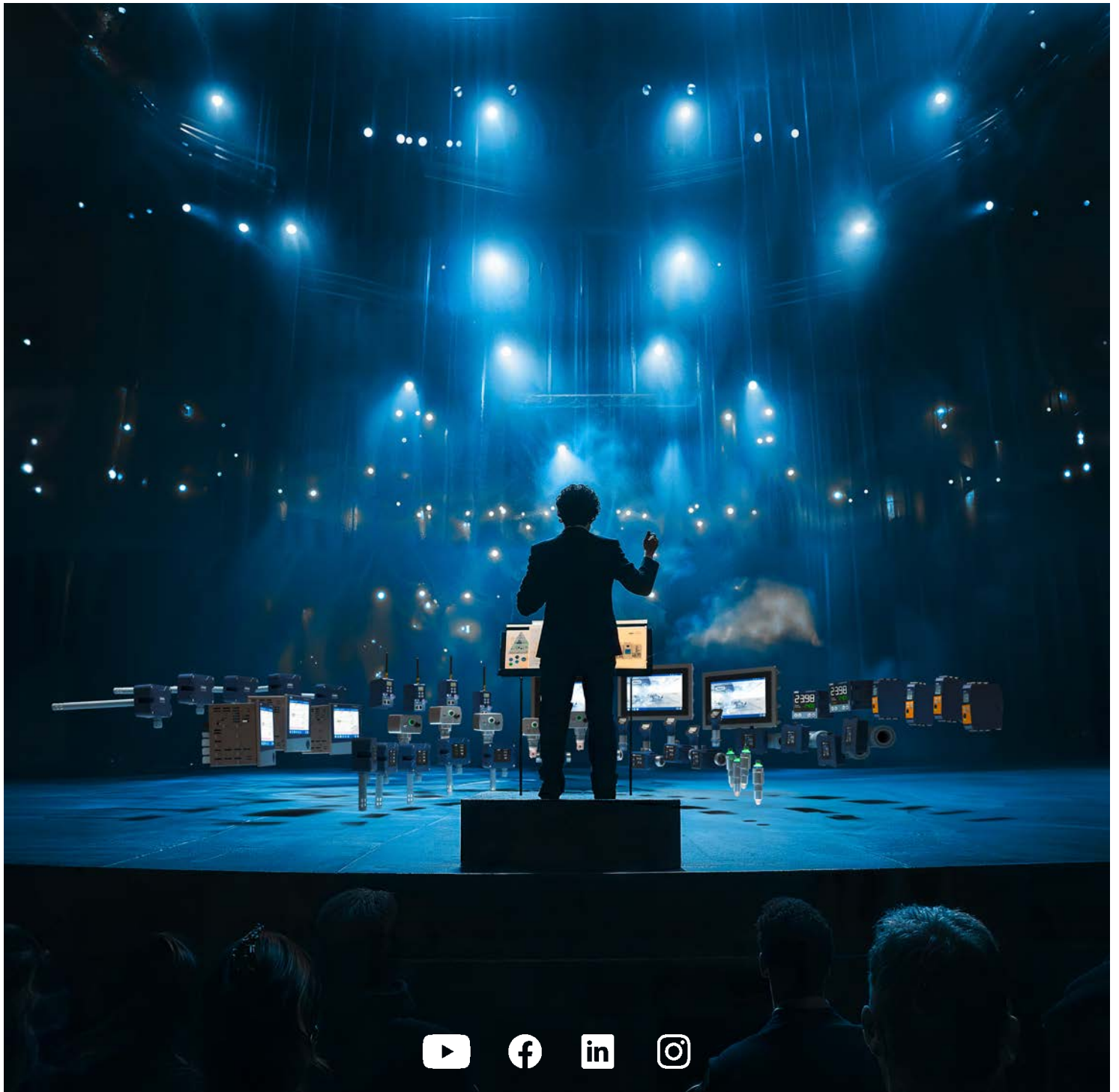
Single Pair Ethernet System Alliance



Digital sensor communication

IO-Link, SPE, and JUMO digiLine

- Interference-free data transmission in real time
- Convenient startup and calibration
- Reduction of service and maintenance costs
- Increase in process efficiency
- Versatile and flexible application options
- Solid foundation for Industry 4.0 applications



www.jumo.net