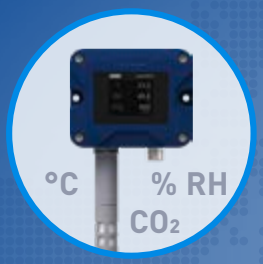
MORE THAN SENSORS
AND AUTOMATION

JUMO SPE Sensors

Smart transmission of sensor values with Single Pair Ethernet

JUMO hydroTRANS S20
Humidity and temperature transmitter
with CO_2 module



JUMO flowTRANS MAG H20
Electromagnetic flowmeter

JUMO DELOS S02
Precision pressure transmitter

Your advantage in everyday industrial life

- Minimal cabling work due to "two-wire data cable"
- Flexible installation due to ranges of up to 1000 m
- Continuous Ethernet communication up to the field level
- Cost reduction through efficient construction, operation, and maintenance of plants
- Safe and precise "digital measured value transmission" in real time
- Communication platform for the implementation of Industry 4.0 solutions
- Energy supply via Power over Data Line (PoDL)
- Direct Ethernet access from PLC controllers and SCADA systems

FIND OUT MORE!

Types 907042, 406065, 405056

MORE THAN SENSORS AND AUTOMATION

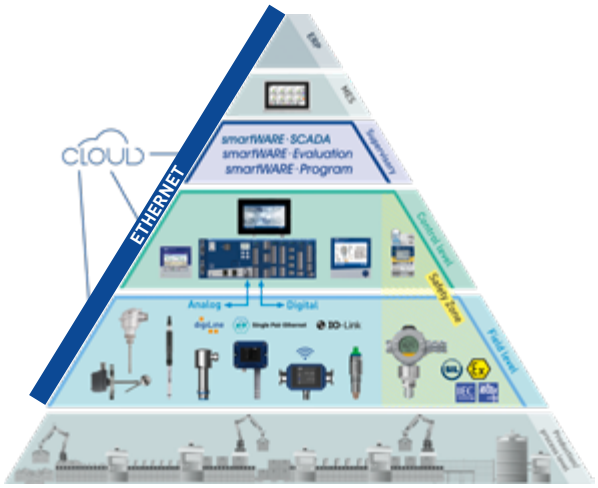
Brief overview

Single Pair Ethernet makes complex installations a thing of the past. After all, the new SPE sensors now give you Ethernet networking all the way to the field level. This initiates effective communication into all levels of the automation pyramid and even the direct connection to the JUMO Cloud. Single Pair Ethernet minimizes cabling work through the reduction to only one wire pair. This wire pair is used as the energy supply of the sensors via Power over Data Line (PoDL) and fast digital transmission of the precise sensor values. This ensures that installation and startup is simple and straightforward.

Technical features at a glance

- SPE standard 10BASE-T1L
- SPE connector in M12-version (IP67)
- Transmission speeds of up to 10 Mbit/s
- Quick configuration through app/setup program
- Continuous Ethernet communication using Modbus TCP protocol
- Integrated cloud gateway
- Smart sensors for the measurands temperature, humidity, CO_2, flow and pressure

Simply smart – from the intelligent sensor directly to the cloud



Automation pyramid

Application example

JUMO hydroTRANS S20 for temperature, humidity, and CO_2 measurement in the greenhouse

Member of Single Pair Ethernet System Alliance

PR 00114 EN/V1