

# S411 DIG/N

## WIDE RANGE DIGITAL CONDUCTIVITY SENSOR



### FEATURES

- Broad measurement range courtesy of 4-electrode graphite sensor
- Measurement communication via Modbus RTU protocol
- Immediate installation and easy maintenance
- Integrated temperature sensor
- Sensor body in PPS and epoxy
- Electrodes in graphite
- No mechanical moving parts
- Maximum operating pressure: 5 bar

### APPLICATIONS

- Pure and process water
- Wastewater
- Cooling towers
- Industrial and recirculating water

### TECHNICAL SPECIFICATION

|                            |  |
|----------------------------|--|
| Measurement range          | 1 $\mu$ S/cm - 200 mS/cm ( $k = 0.55$ nominal) |
| Measurement method         | Conductive with 4 graphite electrodes          |
| Accuracy                   | $\leq 4\%$ on the reading point                |
| Repeatability              | $\leq 0.2\%$ on the reading point              |
| Response time              | 5s   |
| Operating temperature      | -5...80°C in non-frozen waters                 |
| Maximum operating pressure | 5 bar  |
| Body material              | Epoxy and PPS                                  |
| Measuring electrode        | Graphite                                       |
| Other materials            | Viton® O-rings                                 |
| Mechanical protection      | IP68   |
| Power supply               | 12...24 Vdc                                    |
| Absorption                 | <250 mA  |
| Cable                      | 10 mt  |
| Signal interface           | RS485 Modbus RTU protocol                      |