



SENSORS &
CONTROLLERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



WEB APP &
DATALOGGING



ACCESSORIES

S406 DIG/N DATASHEET

DIGITAL ORP ELECTRODE WITH TEMPERATURE



MAIN FEATURES

- Reliable ORP measure thanks to the use of a digital measurement
- Communication of measurements via MODBUS RTU protocol
- Suitable for many industrial applications
- Easy to connect to the process
- Integrated temperature sensor
- 11 bar operating Pressure
- 100°C Operating Temperature

APPLICATIONS

The sensor S406 DIG/N is used for measurement of ORP in pure water, wastewater treatment plants, suspended solids processes, processes with pollutants, galvanic processes.

- ORP measure in wastewater
- ORP measure in process monitoring and control

The S406 DIG/N ORP Electrode is suitable for ORP measures in various applications. The porous Teflon® septum resists fouling and chemical attack. The new capillary temperature sensor design places the NTC behind the ORP-sensitive membrane for accurate temperature compensation and measurement.

TECHNICAL DATA

Materials	• Glass electrode and PPS bodies • PPS probeholder • Viton® O-Rings • Electrode Diaphragm: Teflon® • Platinum measuring electrode
Electrolyte	Electrolyte Gel
Thread	3/4" NPT probeholder, Pg13,5 the electrode alone
Measuring ranges	-1500mV ÷ +1500mV
Measuring method	Digital
Resolution	1mV
Accuracy	± 5mV
Repeatability	± 1mV
Response	<30s
Temperature sensor	NTC 30K
Temperature resolution	0.1°C
Temperature accuracy	± 0,5°C
Operating temperature	0÷100°C
Max operating pressure	11 bar
Minimum operating conductivity	50µS/cm
Protocol type	Modbus RTU
Cable length	10m integrated with the sensor
Current absorption	<1W
Power supply	12...24Vdc
Dimensions (LxHxP):	27x213x27mm

DIMENSIONS



ORDER CODES

9711010097	S406 DIG/N Digital ORP Electrode cable 10m
9711011097	S406 DIG/N ORP digital sensor without probholder 10m cable
7600970000	pH, ORP, conductivity PPS Probholder