



EHAN: ANNULAR ORP SENSOR, ORP potential and temperature

- **Combination sensor:** ORP & Temperature
- **Measuring ranges:** ORP: - 1000 to + 1000 mV ; T ° C: 0.00 to + 50.00 ° C
- **Interchangeable Cartridge with "PLASTOGEL®"**
- **Digital communication RS-485 Modbus / SDI-12**

Digital Technology

The electrolyte "PLASTOGEL®" of DIGISENS Ponsel sensor communicates directly with the external environment without interposition of capillary or porous. There is therefore no risk of clogging or reference defusing. Temperature: Measures via NTC.

Applications

Treatment of urban waste water (entrance, aeration tank, exit), industrial sewage treatment (optimization process of nitrifying / denitrifying), deodorization channels.



Technical specifications	
Measures ORP	
Measuring principle ORP	combination electrode (ORP / reference): Platinum Ring Reference Ag / AgCl, gelled electrolyte (KCl)
Measurement range	-1000.0 to + 1000.0 mV
Resolution	± 0.1 mV
Accuracy	± 10mV
Response time	90 s
Temperature Measurement	
Measuring principle T°C	NTC
Operating Temperature	0.00 ° C to 50.00 ° C
Resolution	0,01 ° C
Storage temperature	0°C to + 60°C
Protection	IP 68
Interface signal	RS-485 Modbus / SDI-12
Refresh rate measurement	Maximum <1 second
Sensor supply	5-12 volts
Consumption	Standby : 25µA, RS485 Average (1 measure / second) : 20 mA, Pulse current : 500 mA, Meating : 100 mS
Sensor	
Dimension of equipped sensor	Upper part: 27 mm diameter; Length 103 mm Cartridge Length: 173 mm; Equipped sensor Length: 262 mm without gland
Weight	350 g (cable + sensor)
Materials in contact with the environment	PVC, POM-C, platinum, Polyurethane
Maximum pressure	5 bars
Cable / connector	9 armored connectors, polyurethane sheath, bare wires or sealed metal Fischer connector

References

EHAN sensor Fisher connector 3m cable without cartridge PF-CAP-C-00268
 EHAN sensor Fisher connector 7m cable without cartridge PF-CAP-C-00269
 EHAN sensor Fisher connector 15m cable without cartridge PF-CAP-C-00270
 EHAN sensor bare wires 3m cable without cartridge PF-CAP-C-00271

EHAN sensor bare wires 7m cable without cartridge PF-CAP-C-00272
 EHAN sensor bare wires 15m cable without cartridge PF-CAP-C-00273
 Annular digital sensor cartridge ORP PF-CAP-C-00263



Rental available