ABZAR SANJESH ARIA

Chemitec
WATER MONITORING SOLUTIONS

SENSORS & CONTROLLERS

ANALYZERS & SAMPLERS

LEVEL, FLOW & PRESSURE

WEB APP & DATALOGGING

ACCESSORIES

S401 DIG/N DATASHEET

DIGITAL PH ELECTRODE WITH TEMPERATURE

MAIN FEATURES

- Reliable pH 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 S401 DIG/N is used for measurement of PH in pure water, wastewater treatment plants, suspended solids processes, processes with pollutants, galvanic processes.

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

The S401 DIG/N pH Electrode is suitable for PH measures in various applications. The porous Teflon® septum resists fouling and chemical attack. The new capillary temperature sensor design places the NTC behind the pH-sensitive membrane for accurate temperature compensation and measurement.

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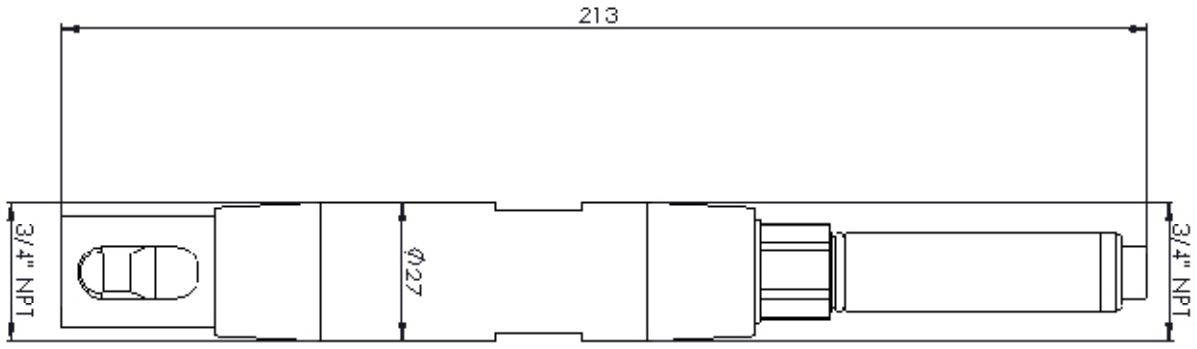
TECHNICAL DATA

Materials	• Glass electrode and PPS bodies • PPS probeholder • Viton® O-Rings • Electrode Diaphragm: Teflon®
Electrolyte	Electrolyte Gel
Thread	3/4" NPT probeholder, Pg13,5 the electrode alone
Measuring ranges	0-14pH
Measuring method	Digital
Resolution	0,01 pH
Accuracy	± 0.05 pH
Repeatability	± 0.05 pH
Response	pH 4..7 <30s
Temperature sensor	NTC 30K
Temperature resolution	0.1°C
Temperatyre 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 abspHtion	<1W
Power supply	12…24Vdc
Dimensions (LxHxP):	27x213x27mm

DIMENSIONS



ORDER CODES

9701010097	S401 DIG/N Digital pH Electrode cable10m
9701011097	S401 DIG/N pH digital sensor without probeholder 10m cable
7600970000	pH, ORP, conductivity PPS Probeholder