SENSORS & CONTROLLERS

ANALYZERS & SAMPLERS

LEVEL, FLOW & PRESSURE

WEB APP & DATALOGGING

ACCESSORIES

S494N DATASHEET

MEMBRANE AMPEROMETRIC SENSOR

MAIN FEATURES

- Family of membrane amperometric probes for the measurement of various types of oxidants
- Integrated temperature sensor for signal compensation.
- Parameters detectable by the probe family:
  - ✓ Free chlorine (organic and inorganic)
  - ✓ Total chlorine
  - ✓ Chlorine dioxide
  - ✓ Chlorites
  - ✓ Ozone
  - ✓ Hydrogen peroxide
  - ✓ Peracetic acid
  - ✓ Bromine

APPLICATIONS

- Drinking water
- Service, process and waste water
- Industrial water

CHEMITEC S.R.L.
VIA I.NEWTON, 28 50018 SCANDICCI (FI)- ITALY
+39 0557576801 • sales@chemitec.it • www.chemitec.it

TECHNICAL DATA

Parameter	Free chlorine (organic and inorganic), Total chlorine, Chlorine dioxide Chlorites, Ozone, Hydrogen peroxide, Peracetic acid, Bromine
Measuring range	02,5,10,20,200,2000 ppm – see specific sensor data sheet
Application range	Drinking water, industrial and process water, waste water. Surfactants are partially tolerated.
Interferents	see specific sensor data sheet
pH range	4…. 10 see specific sensor data sheet
Conductivity range	100 – 63000 µS/cm
Flow rate	30…. 60 l/h
Pressure	0 …. 3 bar no pressure impulses and/or vibrations
Temperature range	0…. 45°C (others on request up to 70°C)
Temperature compensation	Automatic
Calibration	Photometric reference method DPD1. Recommended once a week and whenever the working conditions (concentration, temperature or pressure) and/or the gel solution, and/or the membrane are changed.
Materials	PVC, PEEK, AISI 316, microporous membrane
IP Rating	IP65
Electrolyte solution	Replace every 3-6 months in reference to the quality of the water sample analyzed.
Membrane cap	Replace every 6 – 12 months in reference to the quality of the water sample analyzed.

DIMENSIONS