

# Rosemount 499AOZ-54-VP

499AOZ-54-VP - Rosemount 499 Series Dissolved Oxygen/Ozone/Chlorine Sensors

The Rosemount 499AOZ Dissolved Ozone Sensor is ideal for measuring dissolved ozone concentrations in a variety of water treatment and food processing applications. The sensor is available with either an integral cable or Variopool (VP6) quick disconnect fitting. Three replacement membrane assemblies, three O-rings, and a 4 oz. (125 mL) bottle of electrolyte solution are provided with each sensor.

## Rosemount 499AOZ Ordering Information

499AOZ: Dissolved Ozone Sensor

-54 : Rosemount 1056, 1066-DO, 56, and 5081-A compatible

-VP: Sensor with VP6 fittings (requires VP interconnecting cable)

Range: 0 to 3 ppm (mg/L) as O<sub>3</sub>

Pressure: 0 to 65 psig (101 to 549 kPa abs)

Temperature (operating): 32 to 122 ° F (0 to 50 ° C)

Process connection: 1-in. male national pipe thread (MNPT)

Wetted parts: Polysulfone, Viton®

, Teflon®

, and silicone

Accuracy: Accuracy depends on the accuracy of the chemical test used to calibrate the sensor.

Linearity :  $\pm 5\%$  of reading or  $\pm 3$  ppb (whichever is greater) at 77 ° F (25 ° C)

Repeatability :  $\pm 2\%$  of reading at constant temperature

Response time : 30 sec to 90% of final reading at 25 ° C (77 ° F)

Membrane permeability connection: Defined between 32 and 122 ° F (0 and 50 ° C)

Electrolyte volume: 0.8 oz. (25 mL), approximately

Electrolyte life: 3 months (approximately); for best results, replace electrolyte monthly.

Cable length (maximum) : 300 ft. (91 m), up to 100 ft. (30.5 m) is standard.

Sample flow: Flow through: 1 to 5 gpm (3.8 to 19 L/min)

Open channel: 1 ft./sec (0.3 m/sec)

Low flow cell: 2 to 5 gph (7.6 to 19 L/hr)

Weight/shipping weight: 1 lb./3 lb. (0.5 kg/1.5 kg)

You can contact us through the following contact information

[www.sparetechplc.com](http://www.sparetechplc.com) +86 180 3000 5825 [sales@sparetechplc.com](mailto:sales@sparetechplc.com)