



RESIDUAL OZONE ANALYZER OZA4800 / OZA4800+

BENEFITS

- Direct measurement of residual ozone
- Low purchase cost
- SMS text alarms
- Simple installation
- Low cost of ownership
- Six-month maintenance intervals

STANDARD FEATURES

- Provided with one membraned polarographic probe
- Accepts two probes
- 4-20 mA and relay outputs
- Multiple communication protocols



OPTIONAL FEATURES

- Automatic calibration
- Choice of free chlorine, total chlorine, or ozone residual probe
- Probe ranges of 0-2, 0-5, or 0-10 mg/l (ppm)
- Capability to except 4 mixed probes (OZA4800+)
- Modbus RTU
- TCP/IP (Webserver)
- USB
- RS485
- TTL
- Bluetooth

APPLICATIONS

Water Treatment

- Ozone dosing control
- Ozone disinfection monitoring

DESCRIPTION OF OPERATION

The OZA4800 and OZA4800+ Residual Ozone Analyzers are designed for simple installation and operation, and offer an unrivaled array of built in communications options. The polarographic membraned probe, is particularly stable and shows no interference from Chlorine. The maintenance interval is typically once per six months thereby keeping operating costs to a minimum.

Ozone

Chemtrac Systems, Inc.
6991 Peachtree Industrial
Boulevard, Building 600
Norcross, GA 30092
USA

PH: 770.449.6233
US: 800.442.8722
FX: 770.447.0889
www.chemtrac.com

GENERAL SPECIFICATIONS

Ozone Sensor Probe

Type:	Membrane covered amperometric polarographic three-electrode system
Measured:	Residual Ozone O ₃
Optional Probe Ranges:	0-2, 0-5, or 0-10 mg/l (ppm)
Resolution:	0.001 mg/l (1 ppb)
Reproducibility:	±5%
Stability:	-2% per month (without calibration)
Working Electrode:	Gold cathode
Counter Electrode:	Silver / silver halide
Membrane Material:	Micro-porous hydrophillic membrane
Flow Rate:	Approximately 0.5 l/min.
Temperature Range:	> 0 up to 40° C
Temperature Compensation:	Automatic by an integrated thermistor
pH Range:	pH 4 up to pH 9.5
Permissible Over-Pressure:	7.25 PSI
First Polarization Time:	120 min.
Re-Polarization Time:	30 min.
Zero-Point Adjustment:	Not necessary
Calibration:	Manual using a suitable ozone test kit
Housing Material:	PVC, silicone, polycarbonate stainless steel
Dimensions:	Diameter approx. 0.98 in., length 6.89 in.
Maintenance Intervals	
Membrane:	Yearly
Electrolyte:	Quarterly to six montly
Calibration Reagent:	Quarterly

Analyzer

Power:	110-240 VAC
Display:	LCD backlit 128x64 graphical
Outputs:	2 4-20mA outputs 2 configurable alarm relays
Inputs:	1 low flow alarm 1 low sample flow alarm - (if required)
Communication protocols:	RS485 Modbus TCP/IP (Webserver) USB TTL Bluetooth (optional)
Datalogging:	One year at 15 min. intervals (equiv.)
Eventlogging:	500 events

GSM/GPRS Modem (optional)

Power:	110-240 VAC 24 VDC (optional)
Sim Card:	User supply
Region:	Quad band