

AdvantEDGE Free Chlorine Panel



This Free Chlorine sensor will measure accurately in processes that are between 4 and 8 pH. When used with the LD500 Local Display unit and a pH measurement system, hypochlorous acid (HOCL) and hypochlorite ion (OCL-) concentration can be used to determine free chlorine present.

- Free Chlorine
- Amperometric Measurement
- Temperature Compensated
- Optional pH Correction
- Pre-Calibrated
- Plug & Play
- Rugged Teflon Membrane
- Replaceable Membrane Cap
- Remote Measurement, Calibration, Configuration, and Diagnostics.

Measurement System Performance:

Ranges: 0 to 5 ppm and 0 to 20 ppm
Resolution: 0.005 ppm
Accuracy: 2% or +/- 10 ppb (whichever is greater)
Step Response Time: 90% in 90 seconds

Units of Measure:

Measurement Units: ppm, mg/l free chlorine
Temperature Units: °C, °F

Operational Environment:

Temperature Range: 0°C to 45°C
 (32°F to 113°F)
Maximum Pressure: 15 psig @ 45°C
System Flow in Chamber: 200 to 250ml/min

Calibration:

Sample: 1 point
Zero: 1 point
Temperature: point
Note: *Precalibrated at the factory*

Power Requirements:

Voltage Range: 10 to 30 VDC
Maximum Power: 200 mW
Typical Power: 120 mW
Note: Class II DC power supply required

Other Configuration Options:

Sensor Filter: 0 to 100 seconds
Temperature Filter: 0 to 100 seconds

Construction:

Process Electrodes: Gold Cathode, Silver Anode.
Membrane: Teflon
O-Rings: Viton
Sensor Head Material: Noryl®
AdvantEDGE Material: CPVC or PEEK®
Weight: 1.2 lbs

Immunity and Emissions: CE Certified 89/336/EEC:CISPER 11, EN61000 (-4-2,-4-3,-4-4,-4-6, 4-8) **Safety:** cULus Listed; 367G E303570
Hazardous Locations: Haz Loc Class 1, Division 2, Groups A, B, C, D. Max Ambient 50 °C