



MODEL SCI-552

Ozonator Controller

- Ideal for semiconductor applications -

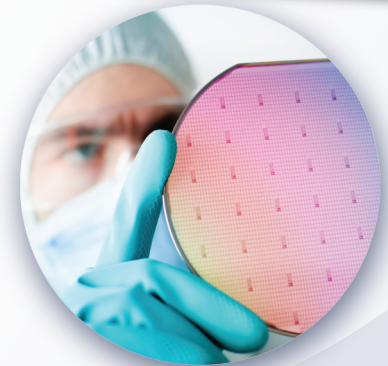


Features

- RS-232 MODBUS remote support
- Control up to 2 Ozone Generators
- Interface with up to 2 Model 452 & 470 Ozone Sensors
- Control up to 4 Mass Flow Controllers
- Control up to 2 Backpressure Controllers
- Control up to 2 EV Valves
- Control a water chiller
- System Interlock Inputs
- Remote system-level controls and status I/O

The SCI-552 is a system controller for ozone delivery systems that provides electronic control interfaces for a number of typical system components, including: ozone generators, EV valves, mass flow controllers, back-pressure controllers, Teledyne API 452 ozone sensors, Teledyne API 470 dissolved ozone sensors, and a water chiller.

The SCI-552 features hardware and software support for a number of system interlock functions. The SCI-552 provides flexibility for the end user, allowing control of the system via the front panel user interface, MODBUS serial interface, or various discrete digital and analog I/O points. The SCI-552 is designed to support two ozone generators providing two independent channels of ozone output.



Applications

- Chemical Vapor Deposition (CVD)
- Atomic Layer Deposition (ALD)
- Oxide growth
- Surface conditioning
- Ashing
- Particle Cleaning
- Photoresist Removal
- Others

Ozonator Controller

Specifications

• Display	2 lines x 40 character, alphanumeric, vacuum fluorescent	• Customer System I/O Interlocks	1- Sytem Hardware Interlock 1 - Communications Interlock (user configurable) 1 - Software Interlock (Backpressure)
• Resolution	0.01% w/w	Serial Digital	RE-232, DB-25 (Modbus standard - other options available)
• Cycle Time	Continuous measurement, refreshed every 2 sec or 0.5 Hz	• AC Power	90 to 240VAC, 50/60 Hz
• Digital I/O	RS-232 C, bi-directional	• Typical Power Consumption	Less than 225 W
• Device I/O Generator Support	Designed to support 2 Ozone Generators, industry standard pinout	• Dimensions (W x H x D)	19" x 7" x 9" (48 cm x 17.8 cm x 22.86 cm)
MFC Control	4 - DB-9 Connectors for 4 MFCs	• Weight	10.9 lbs. (4.94 kg)
Backpressure Controller	2 - DB-15 Connectors for 2 Electronic Backpressure regulators	• Environmental	Designed for indoor use only
Ozone Generator	2 - 10 pin IDC header for 2 Ozone Generators	• Operating Temperature	5 - 35°C
EV Valve	2 - 2 Pin Connectors - 24 VDC	• Relative Humidity	80%, non-condensing
Chiller	1 - DB-15 Connector for chiller	• Warranty	1 year
		• Compliance	CE



— OZONE INSTRUMENTATION FOR EVERY APPLICATION —					
Model	Generator Output	Off Gas Detection	Safety / Leak Detection	Dissolved Ozone	Spot Checking
465L		•	•		
465M		•	•		
465H	•				
454	•	•			
452	•				
430			•		•
W1 + 465L				•	
470				•	

Specifications subject to change without notice. All specifications are based on constant conditions.

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