

오존 분석기 (O3 Analyzer)

환경부 형식승인 IAMS-2012-5호



Model : T400

용 도(Applications)

- 실내 및 대기 중 오존농도 연속 모니터링

특 징(Features)

- 0~100 ppb 부터 0~10 ppm 사용자 선택가능
- Auto range 기능
- 온도와 압력 보상 기능
- 내부 제로와 스패 교정 기능(옵션)
- Ethernet, RS-232와 USB 포트(옵션)
- 1분~24시간의 내장 데이터 로깅
- 내구성 강한 터치 스크린 구현

SPECIFICATIONS

General

Ranges	Min : 0~100 ppb Full scale Max : 0~10 ppm Full scale (selectable, dual ranges and auto ranging supported)
Measurement Units	ppb, ppm, $\mu\text{g}/\text{m}^3$, mg/m^3 (selectable)
Zero Noise	<0.3 ppb (RMS)
Span Noise	<0.5% of reading (RMS) above 100 ppb
Lower Detectable Limit	<0.6 ppb
Zero Drift	<1.0 ppb/24 hours
Span Drift	<1% of reading/24 hours
Lag Time	<10 seconds
Rise and Fall Time	<20 seconds to 95%
Linearity	1% of full scale
Precision	<0.5% of reading above 100 ppb
Sample Flow Rate	800 cm^3/min $\pm 10\%$

IZS Specifications

Maximum Concentration	1.0 ppm
Minimum Concentration	0.050 ppm
Resolution	0.5 ppb
Repeatability (7days)	1% of reading
Initial accuracy	$\pm 5\%$ of target

Electrical Specifications

Power Requirements	100V~120V, 220V~240V, 50/60Hz
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Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
Recorder Offset	±10%
Communication Specifications	
Included I/O	<ul style="list-style-type: none"> 1 x Ethernet : 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
Optional I/O	<ul style="list-style-type: none"> 1 x USB com port 1 x RS485 8 x analog inputs (0-10V, 12-bit) 4 x digital alarm outputs Multidrop RS232 3 x 4-20mA current outputs
Physical Specifications	
Operating Temperature Range	5~40°C (with EPA Equivalency)
Dimensions (H x W x D)	178 x 432 x 597mm
Weight	<ul style="list-style-type: none"> 18.1kg 13.8kg with IZS
Certifications	
US EPA	EQOA-0992-087
MCERTS	Sira MC 050070/04