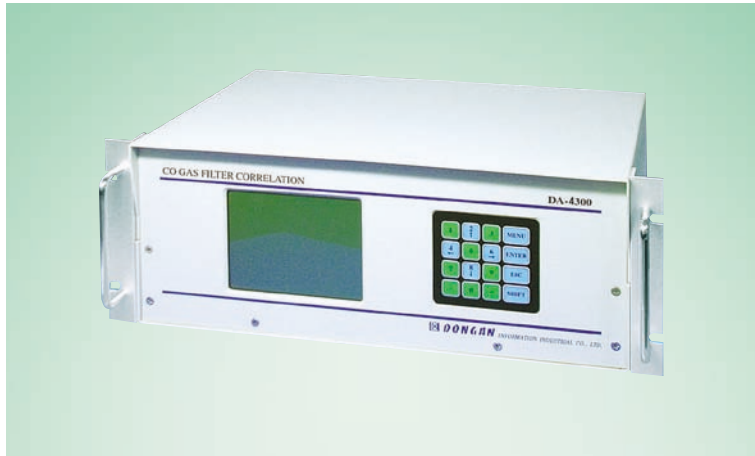




## O3 Analyzer 오존 가스분석기 / DA-4300

환경부 형식승인번호 : 제AA CMS-2001-4호



Model : DA-4300

오존의 농도측정은 자외선 흡광 광도법을 이용해 UV자외선인 254nm 광원의 오존분자에 의한 흡수량을 분석/측정합니다.

광원으로는 수은과 같은 빛의 파장 중 254nm가 거의 대부분인 것을 이용하며 이 광원은 유리관을 통해 비춰져 Sample Gas와 오존이 없는 Gas를 번갈아 통과시켜 얻게 되는 빛의 강도의 비율로써 농도를 산출합니다.

### Features ●●●

- 효율이 좋고 교환하기 쉬운 O3 scrubber 사용
- 장비 내 Printer Port의 장착
- 장비 내 Zero Scrubber 장착, 자체 Zero 교정기능 가능(Optional)
- Memory 상실 방지기능
- 온도, 압력 보상기능
- Graphic LCD 채용 / 다양한 화면정보 제공
- 경고 메시지의 표시기능
- 데이터 현장 출력 가능

### Specifications ●●●

Parameter	Description
Measuring item	O <sub>3</sub>
Method	UV Photometry (UV absorption method)
Range	0~500, 0~1000ppb (Selectable Range)
Noise	0.25ppb
Lower Detectable Limit	0.05ppb
Zero Drift	Within 0.1ppb/day
Span Drift	Within ±0.5%/day
Response Time(95%)	Within 20sec
Linearity	Within ±1ppb or 1%
Precision	Within 1ppb
Analog Output	0~10V, 0~5V, 0~1V, 0~100mV or 4~20mA

# O3 Analyzer

## Specifications ●●●

<b>Hardware</b>	
Power	110VAC/60Hz or 220VAC/60Hz
Sampling Flow	Stabilized flow control by 800cc/min Critical Orifice
Allowable temperature range for equipment	5~50°C
Optic detector	High-performance PM Tube
Display	Graphic LCD
Optical sensor	Photo tube detector
Other Features	37mm Teflon Filter / Durable UV lamp with long lifetime Remote diagnosis / control function through the bi-direction communication, RS-232C, RS-422 Zero scrubber applied, Self correction function (Select by user) / 16 function key-pad O3 scrubber featuring high efficiency and little noise 19" Standard Case and Rack Mount applied / 110VAC(60Hz) pump featuring low power consumption Printer port applied inside of the equipment

<b>Software</b>	
80186 16bit Microprocessor Controller / Compensation of temperature, pressure	
Customer-oriented simple control / Electronic metering & indication of flow, pressure and temperature	
Diagnosis during the operation with set-up / Customer-oriented software (changeable)	
Self-diagnosis function / Compensation of analog output	
Prevention of memory loss / Indication of warning message	
ppb, ppm, ug/m <sup>3</sup> (Selectable) / Provision of various screen information through the application of graphic LCD	
Manual & automatic zero/slope value	