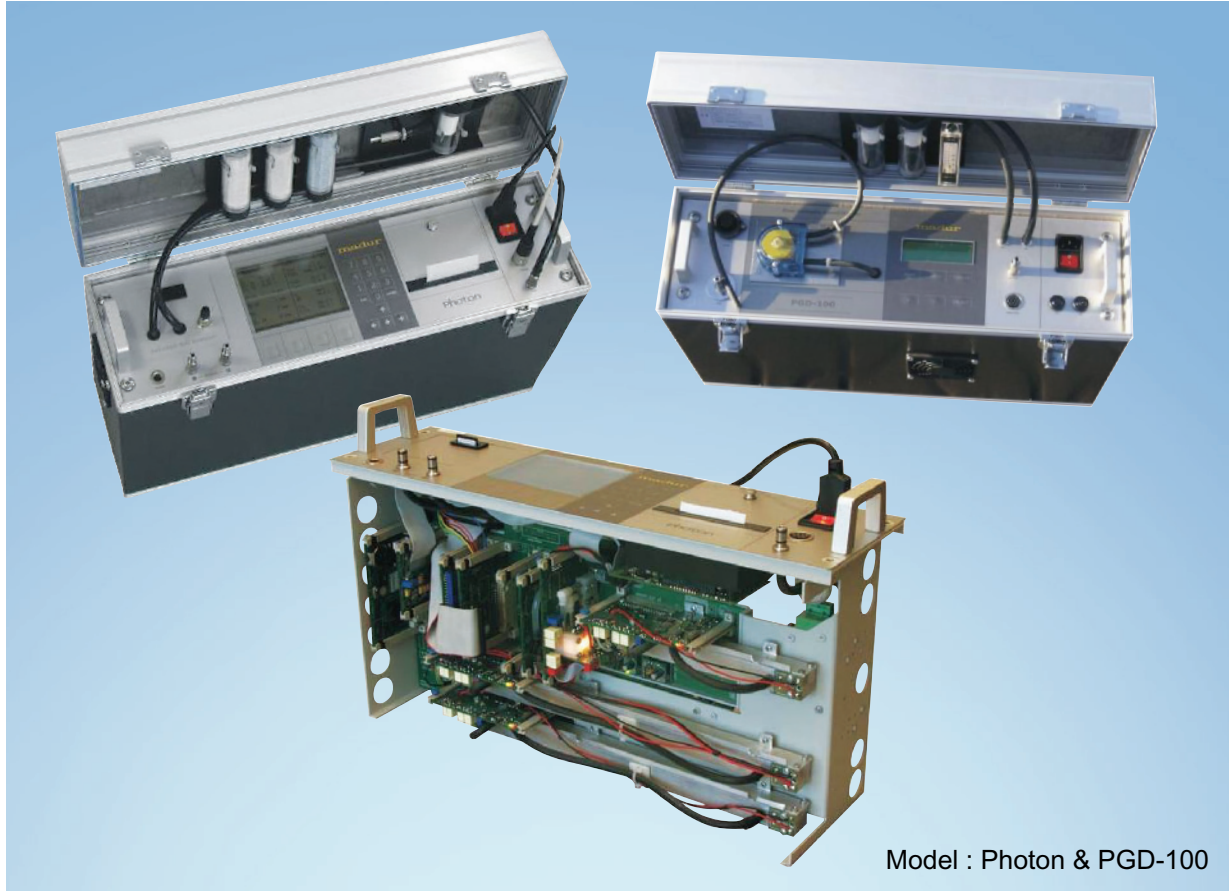


환경부 형식승인번호 : 제ASGAM-2007-1호



Model : Photon & PGD-100

Features ●●●

- 국내 최초 NDIR-Sensor (CO, NO_x, SO₂) 형식승인 획득
- Low-cost portable T.M.S
- NDIR-Sensor (CO, NO, NO₂, SO₂, N₂O, THC, CO₂, CH₄) 5개를 소비자 선택 구성
- Electrochemical-Sensor (O₂, CO, NO, NO₂, SO₂, HCl, Cl₂, H₂, H₂S) 3개를 소비자 선택 구성
- NDIR-Sensor (0...2000ppm ~ 100%) 측정범위 소비자 주문 생산 가능
- 512MB 대용량 Memory 사용
- (100...190°C) 조정 가능한 Heating Hose 와 (20...2°C)까지 조정 가능한 2단 Peltier Dryer 사용으로
- 굴뚝내 수분으로부터 방해없이 완벽한 측정 가능
- 별도의 Data Logger가 필요없이 자체 소프트웨어 사용으로 실시간 Data 출력 및 저장 가능
- 연소효율, 열손실, 연무, 유속 측정가능
- 자체 무게 7Kg의 경량 측정기
- 고정밀도 DMS bridge 센서 사용으로 측정지점의 대기압 측정 가능

Portable NDIR Multi Gas Analyzer

Specifications

Parameter	Method	Range	Resolution
CO - Carbon monoxide	NDIR sensor	0...20000ppm	1ppm
NO - Nitrogen oxide	NDIR sensor	0...5000ppm	1ppm
SO ₂ - sulphur dioxide	IR sensor	0...5000ppm	1ppm
NO ₂ - Nitrogen dioxide	NDIR sensor	0...1000ppm	1ppm
THC - Total hydrocarbon	NDIR sensor	0...5000ppm	1ppm
CO ₂ - Carbon dioxide	NDIR sensor	0...100%	0.01%
CH ₄ - Methane	NDIR sensor	0...100%	0.01%
N ₂ O- Nitrous oxide	NDIR sensor	0...1000ppm	1ppm
O ₂ - Oxygen	Electrochemical sensor	0...25,100%	0.01%
CO - Carbon monoxide	Electrochemical sensor	0...20000ppm	1ppm
NO - Nitrogen oxide	Electrochemical sensor	0...5000ppm	1ppm
NO ₂ - Nitrogen dioxide	Electrochemical sensor	0...1000ppm	1ppm
SO ₂ - Sulphur dioxide	Electrochemical sensor	0...5000ppm	1ppm
H ₂ S- Hydrogen sulfide	Electrochemical sensor	0...5000ppm	1ppm
H ₂ - Hydrogen	Electrochemical sensor	0...2000ppm	1ppm
CL ₂ - Chlorine	Electrochemical sensor	0...200ppm	1ppm
HCl-Hydrogen chloride	Electrochemical sensor	0...200ppm	1ppm
T-gas - flue gas temperature	thermocouple	-10...1000°C	1°C
T-amb - ambient air temperature	thermistor	-10...100°C	1°C
T1, T3 - 2 external temperature inputs	thermocouple	0...1000°C	1°C
U1, U2 - 2 external voltage inputs	A/D converter	-20V...+20V	0.01V
I1, I2 - 2 external current inputs	A/D converter	-20mA...+20mA	0.01mA
Lambda - excess air number	calculated	1...10	0.01
qA - Combution losses	calculated	0...100%	0.10%
Eta - efficiency	calculated	0...100%	0.10%
Diff. Pressure	DMS bridge	-20hPa...+20hPa	0.1Pa
Ambient pressure	DMS bridge	800hPa...1200hPa	0.11Pa
Flow velocity (option)	Pitot tube	1...30m/s	0.1m/s
Soot test (Bacharach method)	automatic	0...9	0.5