

먼지 자동 측정기(베타게이지)

대기 | 실내 | 작업환경

Particulate Monitor



Model : F701-20

용도

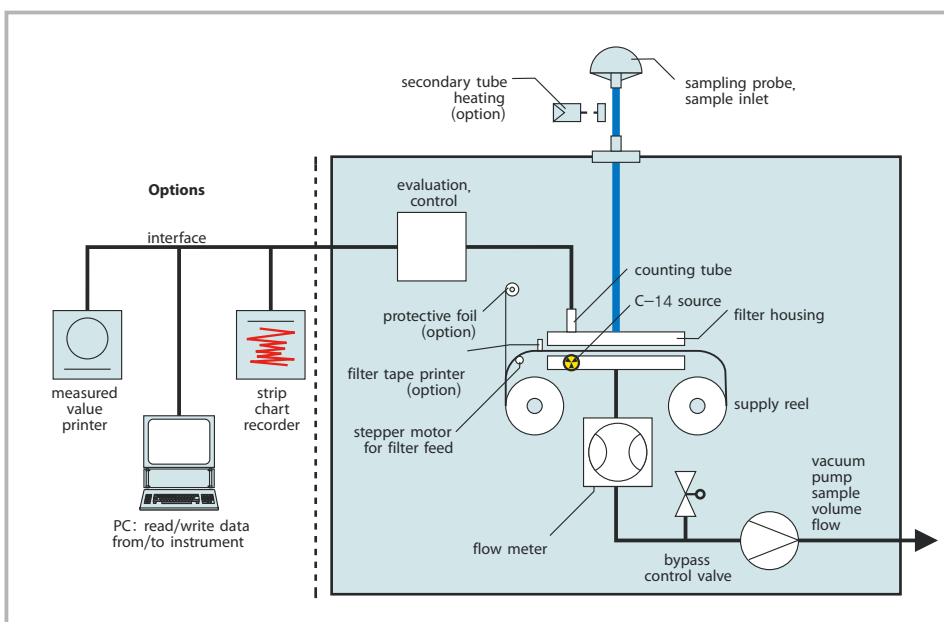
Applications

- 대기 및 실내 공기 중의 TSP, PM₁₀ 및 PM_{2.5}의 자동 연속 측정

특징

Features

- 12.5 μ ci의 동종 최저 방사선 누출량
- $\pm 2\%$ 의 탁월한 측정 정확도
- 온도와 압력을 자동 보정하여 오차 $\pm 5\%$ 이내로 유량 유지
- 30분, 1시간, 3시간, 24시간 평균값의 자동 연속 연산 및 표시
- 표준 Mica Foil을 사용하여 영점 조정 및 SPAN 교정 가능
- 내장형 펌프로 이동 설치가 용이
- 터치패널형 LCD로 조작이 용이
- 설치 후 10분 이내 측정 가능



TSP/PM₁₀/PM_{2.5} Inlet

SPECIFICATIONS

Measurements	dust concentration
Accuracy	<2% of measuring range
Measuring Ranges	0-0.1 ... 0-10 mg/m ³ (Auto Range)
Detection Limit	<0.001mg/m ³
Measuring Principle	beta ray absorption
Zero Drift(Temperature)	<1% / 10°C(18°F)
Span Drift(Temperature)	<1% / 10°C(18°F)
Reference Point Drift	<1% of measuring range/month
Zero Point Drift	automatic zero point correction
Startup Time	10 min
Maintenance-free Operation	>1 year (w/o filter tape)
Source	C-14 Flat Top Source, totally enclosed
Half Lifetime	5.730 years
Total Activity	<450 kBq (<12.5 mCi)
Detector	Geiger-Mufler-Counter-Tube
Filter Material	Glass-Fiber-Filter 99.95%
	>0.3 mm
Filter Spot Area	0.79 cm ² (0.12m ²)
Sample Flow Rate	1 m ³ /h ±5% (Mass-Flow-Controller)
Cycle Time	user-selectable, between 15 minutes and 24h
Ambient Temperature	0 up to +50°C
Supply Voltage	230 VAC / 50 Hz, 110 V / 60 Hz, 400 VA
Measuring Outputs	4-20 mA / 500 Ohm
Dimensions (H x W x D)	320 x 450 x 500 mm,
	19"-rack mount / desk unit
Digital Outputs	8 relay outputs, permissible load 24V, 12 VA
Weight	26 kg
Digital Inputs	3 potential free inputs
Probe Tube Length	standard 2 m
	0.5-5 m possible

CONFIGURATIONS

Particulate Monitor	1 set
PM ₁₀ Impactor Pre-Separator	1 set
Rotary Vane Vacuum Pump	1 set
Operation Manual	1 ea

SPARE PARTS

Glass Fiber Filter Tape, 30m, Low Heavy Metal Content	1 ea
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OPTIONAL ACCESSORIES

Sample Inlet Tube, Heater with Controller, Heating of the Last Meter before Monitor Inlet	1 set
Internal Pressure Sensor and Compensation	1 set
Ambient Temperature Sensor with Holder and Compensation	1 set
Reference Foil for Manual Function and Response Control	1 set
Outdoor Weather Enclosure	1 set