

1. Specification

① SMOKE OPACITY

Measuring	Smoke Opacity, Optical Density (K-value:Scale range from 000 to 9.99 m.)
Principle	Partial flow light transmittance
light source	Green LED(565nm)
Detector	Photodiode
Tube dimension	Length: 215 mm (± 0.5 mm), In diameter : 21 mm
Path length	215 mm
Measuring Range	Opacity : 0% ~ 99.9% Optical desity : 0 - 10m
Resolution	0.1%
Accuracy	Smoke Opacity : < 0.2% abs 1% rel
Response time	< 0.5 \pm 0.015 sec.
Physical responset time	Less than 0.2 secs. (periodic response)
Filter	2 nd vessel filter (1 sec.)
Warm up time	Less than 5 secs.
Tube temperature	80 $^{\circ}$ C (79 $^{\circ}$ C ~ 81 $^{\circ}$ C)
Different pressure	Less than 0.70 kPa

② Sample

Sample Probe	Material : SUS 304
	Length : 410 mm In diameter : 12 mm Out diameter : 21 mm
Sample hose	Material : silicone
	Length : 1150, 1500, 2000, 2500, 3800 mm In diameter : 12 mm Out diameter : 21 mm

③ Environment to use

Smoke Opacity	Temperature : 0 ~ 50°C
	Humidity : 0 ~ 90% RH

④ Power

Heater, Adapter,	AC 220V 400W, 50~60Hz
Smoke Opacity meter power	DC 13V±10%, 20W

⑤ Dimension

Dimension	Opacity meter : L : 370mm , W : 210mm, H : 218mm
Weight	Opacity meter sensor : Approx. 7.5kg