[Main specification and performance of analyzer]

Mode	AutoChek Gas Analyzer(PC Type) Smoke AC Type
Type	PC-22AS
Measurement item	Smoke Opacity, absorption coefficient(K-value : Scale range from 0.00 to 16.06m^{-1})
Measurement method	Partial flow sampling method / light transmission type
Photoelectric device	Green LED (565nm)
Detector	Photodiode
Tube length / Inner diameter	Length: 215mm (±0.5mm), inner diameter21mm
Measuring range	Opacity : 0.0%~ 100.0% / Light absorption rate: 0.00 ~ 16.06m^{-1}
Resolution	0.1%
Accuracy	< 1.0 % of opacity in the full range. < 0.5 % guaranteed at final check in production.
Response time	< 0.5± 0.015sec
Physical response time	Within 0.2 seconds (cyclic response)
Filter	2nd vessel filter(1sec)
Preheating time	Within 5 minutes
Tube temperature	Within 5 minutes
Atmospheric pressure and measurement cell pressure difference	0.70 kPa or less
Display	PC or Laptop
Input device	Keyboard, Mouse
Output device	USB and network printers
Probe	Material: SUS-304 , Length : 400mm Inner diameter: 5mm Outer diameter: 17 mm
Hose	Material: Silicone Length: 1,500 / 2,500 / 5,000 Inner diameter: 12 mm Outer diameter: 22 mm
Size	(W)370mm x (D)250mm x (H)390mm
Weight	about 5kg
Input Power	AC 110~240V 50/60Hz