

[Main specification and performance of analyzer]

Model	AutoChek Gas Analyzer(Touch Screen) 4Gas / 5Gas
Type	PC-224G / PC-225G
Measurement item	HC(n-hexane, propane), CO, CO ₂ , O ₂ , LAMBDA, AFR NO _x (PC-225G), RPM & OIL TEMP(optional)
Measurement method	HC, CO, CO ₂ : Non-dispersive Infrared (NDIR) measurement O ₂ , NO _x : Electro Chemical Cell Lambda : Brettschneider formula Application AFR : R.S. Spindt formula(SAE Paper 650507, 1965) Application
Accuracy	CO : 0.00 – 10.00 % (±0.02% abs, or ±3% rel) HC(n-hexane) : 0 – 2,000 ppm (±4ppm abs, or ±3% rel) 2001 – 10,000 ppm (±5% rel.) CO ₂ : 0.00 – 16.00 % (±0.3% abs, or ±3% rel) O ₂ : 0.00 – 25.00 % (±0.01% abs) NO _x : 0 ~ 5,000 ppm
Resolution	HC, NO _x : 1 ppm CO, CO ₂ , O ₂ : 0.01%
Response time	HC, CO, CO ₂ : Less than 8 seconds (With 5m sample line connected) O ₂ , NO _x : Less than 10 seconds (With 5m sample line connected)
Preheating time	Less than 120 seconds normally
Sampling flow	Pump : about 2.0L Sensor : about 1.5L
Display	PC or Laptop
Input device	Keyboard, Mouse
Output device	USB and network printers
Temperature	10 – 50°C (CO, HC, CO ₂) -20 – 50°C (O ₂ , NO _x)
Humidity	0 - 90% RH
Atmospheric pressure	813 - 1060 mBar
Probe	Material: SUS-304 Length : 400mm Inner diameter: 5mm Outer diameter: 17 mm
Hose	Material: SUS-304 Length : 400mm Inner diameter: 5mm Outer diameter: 17 mm
Size	(W)220 x (H)210 x (D)350mm
Weight	About 4.26kg
Input power	Adapter: DC12V 6A (AC 110~240V 50/60Hz)