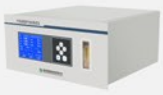
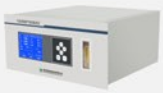
Automobile Exhaust Gas Analyzer

Product Recommendation Matrix

▼For Applications: Automotive Inspection&Maintenance,Engine Bench Test, SCR Efficiency Inspection.

Vehicle Type	Model	Measurements	Technologies	Accuracy	Recommendation
Gasoline, NG, LPG, Alcohol Vehicles	 Gasboard-5020	CO, CO_2, HC, O_2, NO	Dual Beam NDIR ECD	OIML R99 Class 0	• Regulated temperature system avoid temperature impact. • Optional built-in printer • Electrochemical O_2&NO sensors
	 Gasboard-5025	CO, CO_2, HC, O_2, NOx	Dual Beam NDIR Zirconia	OIML R99 Class 0	• Regulated temperature system avoid temperature impact. • Optional built-in printer • One zirconia sensor measures O_2 & NOx two gases
	 Gasboard-5260	CO, CO_2, HC, O_2, NO, NO_2	Dual Beam NDIR Micro-flow NDIR NDUV,ECD	OIML R99 Class 00	• NO measurement by Micro-flow NDIR, NO_2 measurement by NDUV, provides high accurate NOx reading.
Diesel Vehicle	 Gasboard-5230	CO_2, NO, NO_2	Dual Beam NDIR Micro-flow NDIR NDUV	OIML R99 Class 00	• NO measurement by Micro-flow NDIR, NO_2 measurement by NDUV, provides high accurate NOx reading.
	 Gasboard-6000	Opacity degree N value Light absorption coefficient K value	Partial flow	ISO 11614	• Partial flow technology • Separate design consists of main machine and display monitor
	 Gasboard-6050			ISO 11614	• Partial flow technology • Stand alone compact design in one machine

▼For Applications: Engine Exhaust Direct Testing

Vehicle Type	Model	Measurements	Technologies	Accuracy	Recommendation
Gasoline,NG, LPG, Alcohol, Diesel Vehicles	For Engine Exhaust Direct Testing, Engine Bench Test, Engine Type Certification and Production Consistency Inspection				
	 Gasboard-9801	NO,NO_2,THC, CO,CO_2,O_2	UV-DOAS;HFID; Dual Beam NDIR; ECD	2% of reading or 0.3% F.S.	• HFID technology for THC measurement; • Separate measurements of NO&NO_2 by UV-DOAS; • Widely applied in engine exhaust direct testing
	For Real Driving Emission Testing				
	 Gasboard-9805	NO,NO_2,THC, CO,CO_2,PN/PM, Emission gas flow	UV-DOAS;HFID; Dual Beam NDIR; Ion mobility; Differential pressure	2% of reading or 0.3% F.S.	• HFID technology for THC measurement; • Separate measurements of NO&NO_2 by UV-DOAS; • Widely applied in real driving testing application.

CUBIC-RUIYI

▼For OEM Gas Analyzer

Model	Technologies	Measurement Gas	Measurement Range	Features
 Gasboard-2000	Dual Beam NDIR	CO	0~15.00%	• One NDIR gas bench for CO, CO_2, HC three gases detection • OIML R99 class 0 standard compliance • Ultra low range to ppm level measurement • Regulated temperature system to avoid temperature impact • Cleanable gas chamber for easy maintenance • Upgradable O_2 and NOx sensor
		CO_2	0~20.00%	
		HC	0~20000ppm	
 Gasboard-2100	Micro-flow NDIR	NO	0~5000ppm	• Patented optical measurement technology to replace the electrochemical NO sensor • Dual chambers, less drift, high accuracy • Longer lifetime, no regular replacement
 Gasboard-2200	UV-DOAS	NO	0~5000ppm	• Direct detection for NO, NO_2 simultaneously without NOx converter • No cross-interference between measurement gases • Modular design for easy integration • Longer lifetime, no regular replacement
		NO_2	0~1000ppm	
 Gasboard-2300	NDUV	NO_2	0~1000ppm	• Direct detection for NO_2 by NDUV with high accuracy • No necessary to use the complicated NOx converter • Suitable for ultra-low range NO_2 monitoring, no moisture contamination • Modular design for easy integration

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