



Fuji Instrumentation & Control



About 25 years have passed since Fuji Electric first marketed a CO/HC automobile exhaust gas analyzer. The high-level technology incorporated in these instruments has been highly evaluated by users nationwide. A new analyzer has now been developed in answer to demands for an even better instrument. This new analyzer is easier to handle by using user friendly human-machine interface.

It can measure 6 parameters (CO, HC, CO₂, O₂, A/F and λ). CO, HC and CO₂ are measured by solid-state NDIR sensor. O₂ is measured by Galvanic sensor. This instrument completely fulfills the various requirements of an analyzer and is expected to fully satisfy users' expectations.

Features

 4 components (CO, HC, CO₂ and O₂) can be measured and calculated A/F (Air/Fuel ratio) or λ (excess air ratio)

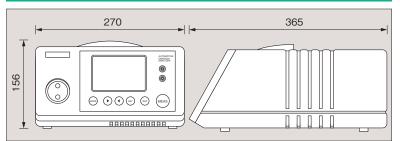
- •A large LCD display with fluorescent back light displays 4 components, A/F and λ .
- •A small size and high reliable solid-state NDIR sensor for CO, HC and CO₂ and Galvanic O₂ sensor provides a high level of accuracy, avoides the influence of vibration and shock.
- •Display of sampling abnormality like as incorrect insertion of the probe and sampling line or membrane filter clogging.
- •Compact design and lightweight (approx. 5kg).

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Specification

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ТҮРЕ	ZKE				
Measurable components	CO+HC, CO+HC+CO2 or CO+HC+CO2+O2				
Measuring principle	CO, HC, CO ₂ ; NDIR				
	O2 ; Galvanic Cell				
Measuring range	CO, 0.00~10.00vol%				
	HC ; 0~10000ppm or 0~14000ppm				
	CO2; 0.00~20.00vol%				
	O ₂ ; 0.00~25.00vol% (Option)				
	A/F ; 10.0~30.0				
	λ; 0.50~2.50				
Display (minimum indication)	LCD display 4 digits and 5 digits				
	CO (0.01vol%)				
	HC (1ppm)				
	CO ₂ (0.01vol%)				
	O ₂ (0.01vol%)				
	A/F (0.1)				
	λ (0.01)				
Repeatability	CO ; ± 0.06 vol% or ± 5 % of reading whichever is greater				
	HC ; \pm 12ppm or \pm 5% of reading whichever is greater				
	CO_2 ; ±0.5vol% or ±5% of reading whichever is greater				
	O_2 ; ±0.5vol% or ±5% of reading whichever is greater				
Response time	95% response less than 15sec (CO, HC & CO ₂)				
	less than 25sec (O ₂)				
Warm up time	5min.				
Output	RS232C				
Printer	Model BS-80tsd separately connected (separately ordered)				
Electrical calibration	Auto calibration				
Self diagnosis	Warming up time				
	Improper insertion				
	Clogging of filters and/or sampling line				
Power supply	AC90~264V 50/60Hz				
Ambient temperature	0~40℃				
Ambient humidity	Less than 90%RH				
Mass	Approx. 5kg				
Outline dimension (H x W x D)	156 x 270 x 365mm				

Outline (Unit : mm)



Ordering code for consumables

Name	Code	Remarks
Primary filter element	ZBNH3012	20pcs/1box
Membrane filter element	ZBNC6102	100pcs/1box
Packing for primary filter and drain separator	ZBNN2012	10pcs/1pack
O-rings for membrane filter	ZBNN3012	10pairs/1pack
Tube type fuse	ZBNM2012	10pcs/1pack 1A
Standard gas	ZBM4NVQ4-00	CO, CO ₂ , HC, N ₂

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International Sales Div. Sales Group

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Symbol code

						1
ZKE				1	1	
						Letters
	2					Display:English, Power supply:AC115V 50/60Hz
	3					Display:English, Power supply:AC200V, AC220V 50/60Hz
						Measurable components and measuring range
		3	1			CO:0~10% HC:0~10000ppm, CO ₂ :0~20%, A/F, λ indication
		3	3			CO:0~10% HC:0~14000ppm, CO ₂ :0~20%, A/F, λ indication
	4	2			CO:0~10% HC:0~10000ppm CO ₂ :0~20% O ₂ :0~25%, A/F, λ indication	
		4	4			CO:0~10% HC:0~14000ppm CO_2:0~20% O_2:0~25%, A/F, λ indication
		2	5			CO:0~10% HC:0~10000ppm
		2	6			CO:0~10% HC:0~14000ppm