

TOKA

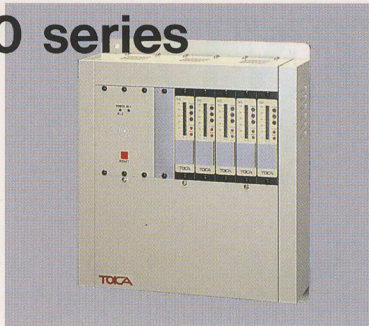
**GAS
MEASUREMENT/
ALARM
EQUIPMENTS**



TOKA SEIKI CO., LTD.

COMBUSTIBLE/OXYGEN/TOXIC GAS ALARM

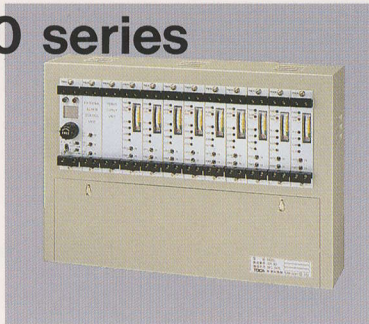
5000 series



- BAR GRAPH DISPLAY
- 2 LEVEL ALARM OUTPUT STANDARD
- 4~20mA OUTPUT STANDARD
- EASY MAINTENANCE

Model Name	TU-5000	TK-5000	TO-5000
Measurement Gas	Combustible Gases	Toxic Gases	Oxygen
Principle	Catalytic Combustion	Electro Chemical	Galvanic Cell
Measurement Range	0~100%LEL	As per list according to target gas	0~25%
Accuracy	Within ± 5% of F.S.	Within ± 5~10% of F.S.	Within ± 0.7% O ₂
Output Signal	4~20mA (Load max. 250 ohm)		
Alarm Set Level	20%LEL	As per list according to target gas	18%
Alarm Output	AL1 & AL2 each 1a relay contact. (Optional: Trouble alarm output)		
Power Source	AC100V standard (AC110 or AC220 available on request)		
Dimensions	375(W) × 384(H) × 110(D)mm (for 6 points)		

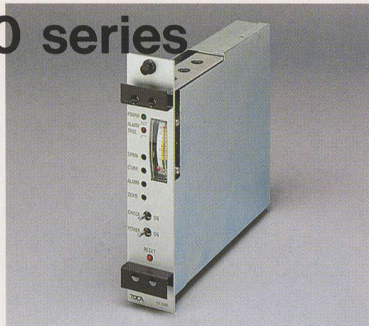
3000 series



- NARROW DESIGN (Unit width 35mm)
- EASY MAINTENANCE
- EXTENSION ALARM FUNCTION

Model Name	TU-3000	TK-3000	TO-3000
Measurement Gas	Combustible Gases	Toxic Gases	Oxygen
Principle	Catalytic Combustion	Electro Chemical	Galvanic Cell
Measurement Range	0~100%LEL	As per list according to target gas	0~25%
Accuracy	Within ± 5% of F.S.	Within ± 5~10% of F.S.	Within ± 0.7% O ₂
Alarm Set Level	20%LEL	As per list according to target gas	18%
Alarm Output	1c relay contact. (capacity AC250V 3A)		
Power Source	AC100V standard (AC110 or AC220 available on request)		
Dimensions	345(W) × 390(H) × 98(D)mm (for 6 points)		

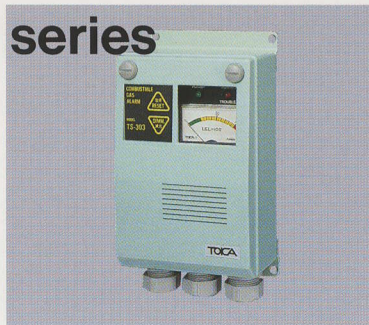
3500 series



- NARROW DESIGN (Unit width 39.5mm)
- EASY MAINTENANCE
- ALARM FUNCTION INCLUDED AS FOR BUZZER AND LAMP AND RELAY CONTACT

Model Name	TU-3500	TK-3500	TO-3500
Measurement Gas	Combustible Gases	Toxic Gases	Oxygen
Principle	Catalytic Combustion	Electro Chemical	Galvanic Cell
Measurement Range	0~100%LEL	As per list according to target gas	0~25%
Accuracy	Within ± 5% of F.S.	Within ± 5~10% of F.S.	Within ± 0.7% O ₂
Alarm Set Level	20%LEL	As per list according to target gas	18%
Alarm Output	1a or 1b relay contact. (capacity AC125V 1a)		
Power Source	AC100V standard (AC110 or AC220 available on request)		
Dimensions	39.5(W) × 185(H) × 200(D)mm		

303 series



- HIGHLY RUGGED ABS PLASTICS (UL STANDARD)
- DRIP PROOF
- LIGHT WEIGHT (ONLY 1.3kg : AC100V STANDARD)
- SMALL DESIGN

Model Name	TS-303	TK-303	TO-303
Measurement Gas	Combustible Gases	Toxic Gases	Oxygen
Principle	Catalytic Combustion	Electro Chemical	Galvanic Cell
Measurement Range	0~100%LEL	As per list according to target gas	0~25%
Accuracy	Within ± 5% of F.S.	Within ± 5~10% of F.S.	Within ± 0.7% O ₂
Alarm Set Level	20%LEL	As per list according to target gas	18%
Alarm Output	1c relay contact. (capacity AC125V 1A)		
Power Source	AC100V standard (AC110 or AC220 available on request)		
Dimensions	120(W) × 206(H) × 73(D)mm		

Measurement Gas	Sensor type	TLV	Meas. range	Alarm	Measurement Gas	Sensor type	TLV	Meas. range	Alarm		
CO	Carobon Mono-oxide	EC-10	50 ppm	0~150 ppm	50 ppm	HCN	Hydrogen Cyanide	EC-8 or EC-10	10 ppm	0~30 ppm	10 ppm
H ₂ S	Hydrogen Sulphide	EC-10	10 ppm	0~ 30 ppm	10 ppm	PH ₃	Phosphine	EC-10 or STIK	0.3 ppm	0~ 1 ppm	0.3 ppm
NH ₃	Ammonia	EC-8	25 ppm	0~ 75 ppm	25 ppm	SO ₂	Sulpher Di-oxide	EC-8 or EC-10	5 ppm	0~15 ppm	5 ppm
HCl	Hydrogen Chloride	EC-8	5 ppm	0~ 15 ppm	5 ppm	CH ₃ COOH	Acetic Acid	EC-8	5 ppm	0~15 ppm	5 ppm
Cl ₂	Chlorine	EC-8	1 ppm	0~ 3 ppm	1 ppm	NO ₂	Nitric Di-oxide	EC-10 or STIK	5 ppm	0~15 ppm	5 ppm
HF	Hydrogen Fluoride	EC-8 or STIK	3 ppm	0~ 9 ppm	3 ppm	AsH ₃	Arshine	STIK	0.05 ppm	0~ 1 ppm	0.3 ppm

SEMICONDUCTOR TYPE

TF-303 series

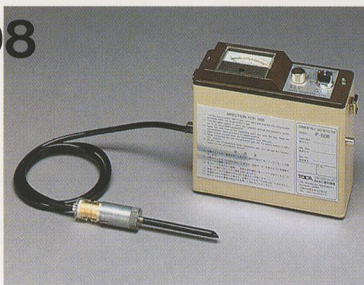


- ABS PLASTICS BODY
- DRIP PROOF
- LIGHT WEIGHT
(Only 1.0kg : MONITOR UNIT)
- TWO LEVEL ALARM
- SMALL DESIGN

Measurement Gas	Solvent, Ammonia or Freon
Measurement Range	0~2500ppm (Hexane)
Accuracy	within $\pm 10\%$ of full scale
Power Source	AC100V 50/60Hz
Alarm Level	AL1:500ppm AL2:1000ppm (Hexane)
Weight	2.0kg (with detection unit)
Dimensions	120(W)×206(H)×73(D)mm

PORTABLE DETECTOR

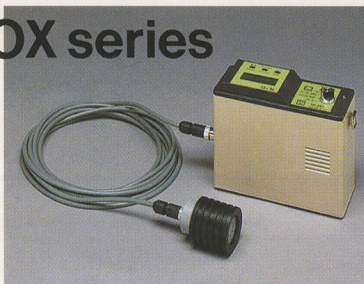
P-508



- COMBUSTIBLE GAS DETECTOR
- DOUBLE MEASURING RANGES
- LONG LIFE DESIGN OF SENSOR
- EXPLOSION-PROOF DESIGN
- SMALL AND LIGHT DESIGN

Detection Principle	Catalytic Combustion
Suction System	Automatic suction
Measurement Range	0~100/0~20%LEL
Accuracy	within $\pm 5\%$ of full scale
Alarm Level	20%LEL (Adjustable)
Battery Life	about 5hr. (R20P×2)
Weight	about 1.5kg
Dimensions	163(W)×137(H)×67(D)mm

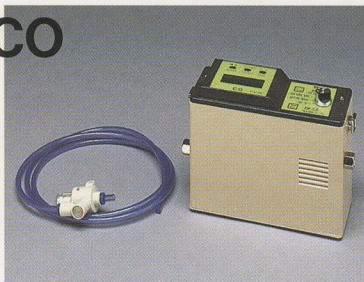
TIP-OX series



- OXYGEN DETECTOR
- DIGITAL DISPLAY
- TWO MEASUREMENT AND ALARM FUNCTION
- TWO GAS COLLECTION TYPE
 - TIP-OXP: Automatic Suction Type
 - TIP-OXF: Diffusion Type
- TWO DRY CELL BATTERY (R20P×2)
 - TIP-OXP: 8hrs
 - TIP-OXF: 30hrs

Measurement Range	0~25% oxygen
Accuracy	within $\pm 0.7\%$ oxygen
Alarm Level	Oxygen Decrease mode AL1:18% oxygen (Adjustable)
Level	Oxygen Increase mode AL2:23% oxygen (Adjustable)
Weight	1.3kg
Dimensions	163(W)×137(H)×67(D)mm
Special Function	Peak Hold mode

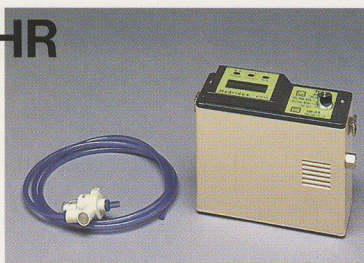
TIP-CO



- CARBON MONO-OXIDE DETECTOR
- DIGITAL DISPLAY
- AUTOMATIC SUCTION
- TWO DRY CELL BATTERY
- PEAK-HOLD FUNCTION
- LIGHT WEIGHT

Measurement Range	0~150ppm
Accuracy	within $\pm 5\%$ of full scale
Alarm Level	AL1:50ppm AL2:100ppm
Suction System	Automatic suction
Battery Life	10hrs (R20P×2)
Weight	about 1.3kg
Dimensions	163(W)×137(H)×67(D)mm

TIP-HR

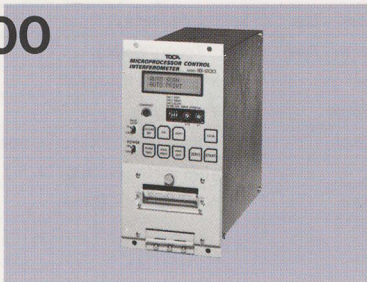


- HYDRIDES GAS DETECTOR
- DIGITAL DISPLAY
- AUTOMATIC SUCTION
- TWO DRY CELL BATTERY
- PEAK-HOLD FUNCTION
- LIGHT WEIGHT

Measurement Gas	Phosphine, Arshine etc
Measurement Range	0~4ppm (Phosphine)
Accuracy	within $\pm 5\%$ of full scale
Alarm Level	AL1:1ppm AL2:2ppm
Battery Life	10hrs (R20P×2)
Weight	about 1.3kg
Dimensions	163(W)×137(H)×67(D)mm

INTERFEROMETER TYPE

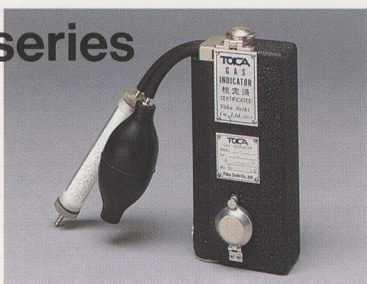
IB-200



- PRECISION MEASUREMENT FOR COMBUSTIBLE OR NON-COMBUSTIBLE GAS
- AUTOMATIC SUCTION
- 3 POINTS (Scanning Type)
- DIGITAL DISPLAY
- BUILT-IN PRINTER
- BUILT-IN CLOCK
- BUILT-IN BACKLIGHT

Measurement Range	0-10, 0-50 or 0-100vol% (Butane, Propane etc.)	
Accuracy	within $\pm 2\%$ of full scale	
Power Source	AC100/110V or AC200/220V	
Analog Output	4-20mA	
Dimensions	Operation Unit	110(W) × 220(H) × 220(D)mm
	Sensor Unit	110(W) × 220(H) × 220(D)mm

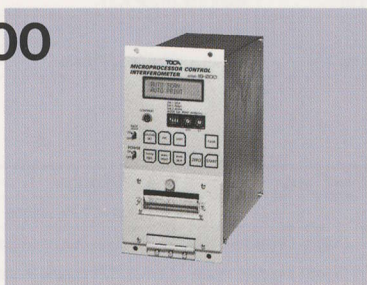
B-2 series



- PRECISION MEASUREMENT FOR COMBUSTIBLE OR NON-COMBUSTIBLE GAS
- HIGHLY RELIABLE
- EASY OPERATION
- LIGHT WEIGHT

Measurement Range	0-2vol% (Butane)
Accuracy	within $\pm 2\%$ of full scale
Power Source	DRY CELL BATTERY (R14P×2)
Operating Temp	-10~+50°C
Weight	1030g (with case)
Dimensions	74(W) × 155(H) × 30(D)mm

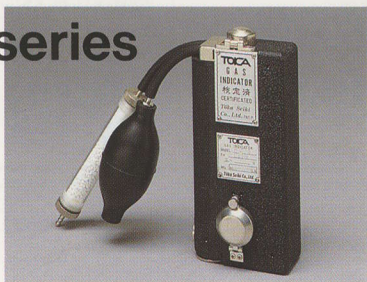
IK-400



- STATIONALLY GAS CALORIMETER
- AUTOMATIC GAS INTAKE
- DIGITAL DISPLAY
- BUILT-IN PRINTER
- BUILT-IN CLOCK
- BUILT-IN BACKLIGHT

Measurement Range	0-15000, 0-20000 or 0-30000 kcal (Butane, Propane etc.)	
Accuracy	within $\pm 2\%$ of full scale	
Power Source	AC100/110V or AC200/220V	
Analog Output	4-20mA	
Dimensions	Operation Unit	110(W) × 220(H) × 220(D)mm
	Sensor Unit	90(W) × 220(H) × 220(D)mm

K-4 series



- PORTABLE GAS CALORIMETER
- HIGHLY RELIABLE
- EASY OPERATION
- LIGHT WEIGHT

Measurement Range	0-15000, 0-20000 or 0-30000 kcal (Butane, Propane etc.)	
Accuracy	within $\pm 2\%$ of full scale	
Power Source	DRY CELL BATTERY (R14P×2)	
Operating Temp	-10~+50°C	
Weight	1030g (with case)	
Dimensions	74(W) × 155(H) × 30(D)mm	

● Specifications are subject to change without any prior notice.

MANUFACTURED BY:

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