

# TPD-1000 [Toxic Gas Detector]



Product Structure1: ABS Case  
Product Structure2: ALUMINUM CASE

- ACCESSORIES
- External Alarm :1pc
  - Gas Introduction Pipe :1pc
  - Water Trap :1pc
  - AC Cable :1pc
  - Operating Manual :1pc
  - LR20 Battery :2pc
  - Dust Filter :3pc

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Measurement Principle	Galvanic Cell	Catalytic Combustion	Controlled Potential Electrolysis	Controlled Potential Electrolysis
Measuring Range	0 - 25.0 VOL%	0 - 100%LEL	0 - 100 ppm	0 - 30.0 ppm
Measurement Accuracy	±0.7 VOL%	± 5%LEL	± 10 ppm	± 1.5 ppm
Unit of Measurement	0.1%	1%LEL	1 ppm	0.5 ppm
Alarm Warning Point	18.0%	30%LEL	50ppm	10.0ppm
Response Time	Less than 40 seconds			
Sampling Method	Consecutively automatic absorption			
Temperature Range	-10°C - 40°C (14°F - 104°F)			
Alarming Method	Warning lamp and beeping sound			
Power Source	Two LR20 "D" size AC 100 V (50 / 60 Hz) selectable			
Battery Life	15 hours : 20°C (68°F) , Alkaline batteries			
Insulation Resistance	DC500 V, 50 MΩ			
Explosion Proof	Explosion proof specification (Exception: sensing unit and the main body)			
Service Conditions	Measuring the toxic gasses in the manhole			
Dimensions	Main body: 357mm x 197mm x 210mm ( 14.5" x 7.8" x 8.3") Alarm sensor: 53mm x 100mm x 26mm ( 2.1" x 3.9" x 1.0") Floating suction unit: Φ43mm x 104mm (Φ1.7" x 4.1")			
Weight	Main body: 5.1 kg (11.6 lbs) approx. Alarm sensor: 0.74 kg (1.6 lbs) approx.			
Water Proof	Water proof (IPX1)			

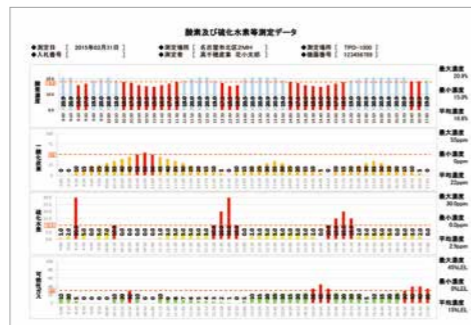
\* An annual change of sensor unit is needed.

## Data Management Software

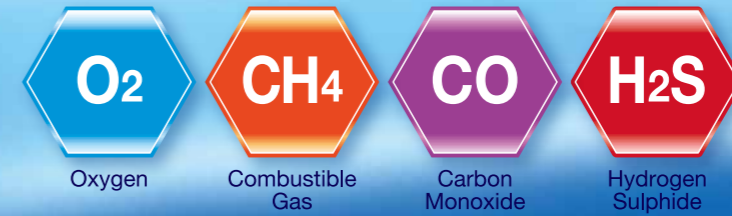
Creation of a record table can be performed by the data management software.

Graphically showed data can also be performed and change of work environment can be grasped easily.

Windows 8 / 7 Correspondance



Output your own format

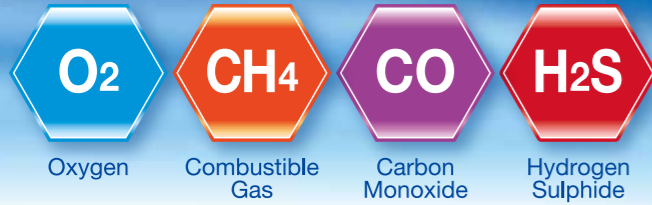


# Toxic Gas Detector TPD-1000

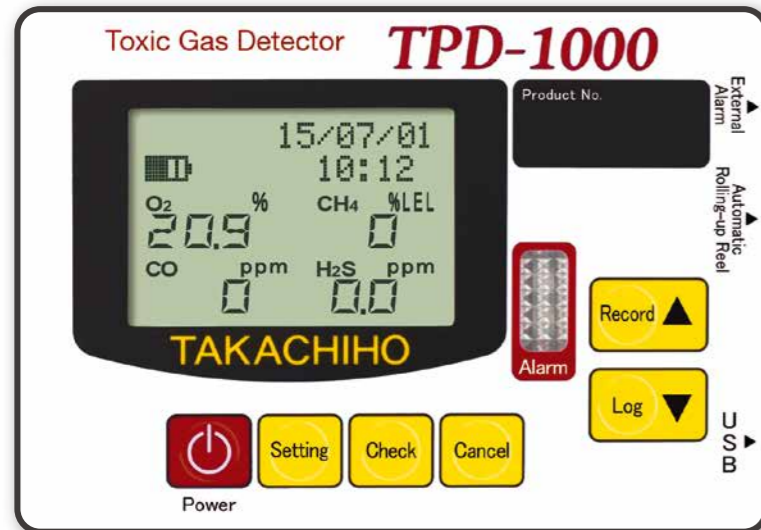
The most Reliable Gas Detector.



# Toxic Gas Detector TPD-1000



We can produce the customized display for every customer.



### SELF CHECK

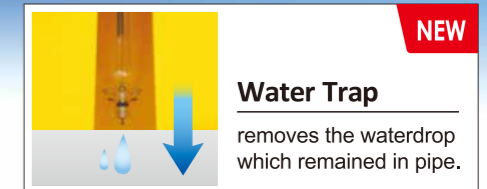
The abnormalities of TPD-1000 are detected automatically. Announce a diagnostic result by a display.



## The most reliable Toxic Gas Detector

We make the environment which prevents an oxygen shortage and gas poisoning.

Original UNIT MAINTENANCE SYSTEM provides EASY maintenance and RELIABLE measurement accuracy.



### Water Trap

removes the waterdrop which remained in pipe.



### Automatic Rolling-up Reel

provides high working efficiency.



### The amount of the battery used is reduced by 50%.

The conventional function is maintained reducing power consumption.



### Memorized 4000 points of the measurement data.

TPD memorizes 4000 points of your data and outputs the data format by the specialized software.



### Security Function

Customized display is ready for every customer.

### UNIT MAINTENANCE SYSTEM



1year

Sensing Unit is only exchanged once a year.

### Only change a UNIT

The unit sent once per year from a dealer is only exchanged.



## Voice Guidance System enables a safe handling work.

Activates 15 seconds or less, after turning on the Power.

### ALARM while abnormal value

External Alarm ... Beeping+Voice Guidance+Warning Lamp  
Main Body ... Beeping+Voice Guidance+Screen Display

### Voice Guidance for the Operation Check

Voice Guidance is performed automatically before work and every 30 minutes

