

## Guidance of gas corrosion testing machine maintenance costs

In order to safe use of gas corrosion tester and gas alarm at our company, we recommend regular inspection.

Periodic inspection in the basic fee Includes replacement of temperature and humidity calibration and consumables.

Certainly, I will recommend the once of inspection a year.

The gas alarm is we have been recommended inspection every three months on the safety.

### ▶ Periodic inspection basic charge

Model	Basic charge
KG-60 Series	¥ 55,000.-
KG-95 Series	¥ 50,000.-
KG-130 Series	¥ 70,000.-
KG-200 Series	¥ 70,000.-

The above rates Includes temperature and humidity calibration (temperature / humidity 1 point) gas leak check gas adsorbent and deterioration parts replacement parts operation check and other safety checks. If you wish to multi-point calibration, separately ¥ 50,000.- will be charged for each additional temperature and humidity one point. Also, if you would like to calibrate the gas flow rate, concentration, we will receive separately ¥ 50,000.-.

### ▶ Business trip technical fee

East area	From Tokyo headquarters
West area	From Osaka Branch
	Within a radius of 50km ¥50,000.-
	Within a radius of 100km ¥70,000.-

In other cases, it will be separately your estimate.  
If you request also in the morning in a catastrophic failure occurs or the like, technicians will let me ask to normal until the next day or two days later.

### ▶ Periodic inspection fee (example)

(Example) Part 1

Users like Location Within a radius of 50km

KG-130 is temperature and humidity in the series 40°C/75%

In the case of periodic inspection request of the calibration of one point,

Periodic inspection basic charge ¥ 70,000.-

Business trip technical fee ¥ 50,000.-

Total ¥ 120,000.-

(Example) Part 2

Users like Location Within a radius of 100km

KG-130 is temperature and humidity in the series 25°C/75%

40°C/75% in the case of periodic inspection request of a two-point calibration,

Periodic inspection basic charge ¥ 70,000.-

Business trip technical fee ¥ 70,000.-

Additional calibration point one point cost ¥ 50,000.-

Total ¥ 190,000.-

## ▶ Repair fee

If you can communicate the repair status, it will approximate but we will submit your quote.

As a general rule faulty parts cost + exchange operation cost + travel technology fee will be added.

By any chance, if failed in less than three months where the same place where I was allowed to repair, we will re-repair free of charge.

## ▶ Special deterioration parts

Electronic mass flow controllers will be very expensive parts.

When deteriorated, and most require the same amount and new be repaired.

We have replaced it with a new one at half price by for you to equally the product cost with our customers in our company.

Parts price depends on the model, but it is the range of about 100,000 to 160,000 yen.  
(For details, let me separate your estimate.)

## ▶ The expendables

Standard gas cylinder		¥ 35,000.- ~ ¥ 45,000.-
Recording paper	For 60mm: For 100mm	¥ 10,000.- (15 books / box)
Ink recorder	For 60mm 6 Dot	¥ 5,000.- (Five)
	For 100mm 6 Dot	¥ 3,000.- (One)
Gas measurement detector tube		¥ 2,000.- ~ ¥ 3,000.- (10 pieces / box)
Gas detection pump		¥ 30,000.- (Flange processed)
Wet bulb wick		¥ 2,000.- (10 sheets)
Made of polyester		¥ 5,000.- (5 sheets)

## ▶ Gas warning device

Sensor alone (exchange of every year)

Oxygen sensor	¥ 180,000.-
Carbon monoxide sensor	¥ 185,000.-
Hydrogen sulfide sensor	¥ 195,000.-
Sulfur dioxide sensor	¥ 215,000.-
Nitrogen dioxide sensor	¥ 250,000.-
Chlorine sensor	¥ 220,000.-
Hydrogen cyanide sensor	¥ 275,000.-

Inspection and calibration (every 2-3 months) only travel technology fee will be billed.

Warning device and detection range apparatus body 550,000~950,000 yen (by installation cost)

Gas type	Measurement range	Alarm initial setting <sup>1/2</sup> (Change possible)	TWA Alarm	STEL Alarm
O <sub>2</sub> (Oxygen)	0.0~30.0%	23.5/19.5%	None	None
CO (Carbon monoxide)	0~1,500ppm	35/100ppm	35ppm	400ppm
H <sub>2</sub> S (Hydrogen sulfide)	0~500ppm	10.0/15.0ppm	10.0ppm	15.0ppm
SO <sub>2</sub> (Sulfur dioxide)	0.0~150.0ppm	2.0/4.0ppm	2.0ppm	5.0ppm
NO <sub>2</sub> (Nitrogen dioxide)	0.0~150.0ppm	3.0/6.0ppm	3.0ppm	5.0ppm
Cl <sub>2</sub> (Chlorine)	0.0~100ppm	0.5/5.0ppm	0.5ppm	1.0ppm
HCN (Hydrogen cyanide)	0~200ppm	3.0/5.0ppm	5ppm	5ppm

※ In regard body alarm device thank you to estimate request.

Contact regarding maintenance

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