

Major products > Catalytic combustion type gas sensor, Gas leakage detector (residential, commercial, industrial), Gas leakage shut-off device (residential, commercial, industrial), Wireless gas leakage shut-off device, Wireless gas leakage detector

Major importers > Philippines, Thailand, Vietnam, Indonesia, Malaysia, Sri Lanka, India, Poland, Japan etc.



We Soosan Hometech are the leading manufacturer of LPG/LNG sensor, gas leakage detector, gas leakage shut-off device, and wireless products in Korea. For more safe and convenient use of gas, we have continued to research and develop newer and better products. Also we always try to serve you as a reliable company for your safety.

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MI-02

We, Soosan Hometech, use MI-02 sensor which is developed by using our own technology that provides higher reliability in our gas leakage detectors.

MI-02 has two high purity (99.99%) platinum filaments coils which are electrodeposited uniformly with fine alumina power that make the sensor more durable and reliable.

Moreover, MI-02 has wider contact surface which helps to detect the selected combustion gases such as LPG and LNG precisely and it is covered with a double layers metal screen cap to protect against spark and shock.



Quality procedure of production.

1) Usage of high purity material (99.9% of platinum wire).

- 2) Automatic coiling machines that makes even width and diameter of platinum coils.
- 3) Welding: welded evenly using the jig.
- 4) Electro deposing: standardized catalyst support (even shape and weight)
- 5) Steady residence of coils and sensors are measured by computer.
- 6) Standard sensitivity is measured automatically.

TYPE MODEL SENSING TYPE DETECTABLE GASES **BRIDGE VOLTAGE** CURRENT TO ELEMENT POWER CONSUMPTION INITIAL STABILIZATION TIME **RESPONSE SPEED** TEMPERATURE CATALYST TEMPERATURE RANGE PLATINUM COIL RESISTANCE STRAIGHT SENSITIVITY IN VOLTAGE FROM BRIDGE

SENSOR DURATION

MI-02 Catalytic combustion (Hot wire) type LNG, LPG DC 2.3V Less than 200mA About 0.46W About 30 Seconds Within 10 Seconds 300°C~400°C -10°C~ 50°C 3.5Ω ±0.5Ω Very Good Higher than 10mV at 0.2% of Methane(CH4) Higher than 12mV at 0.1% of Isobutane(C4H10)

About 3 Year



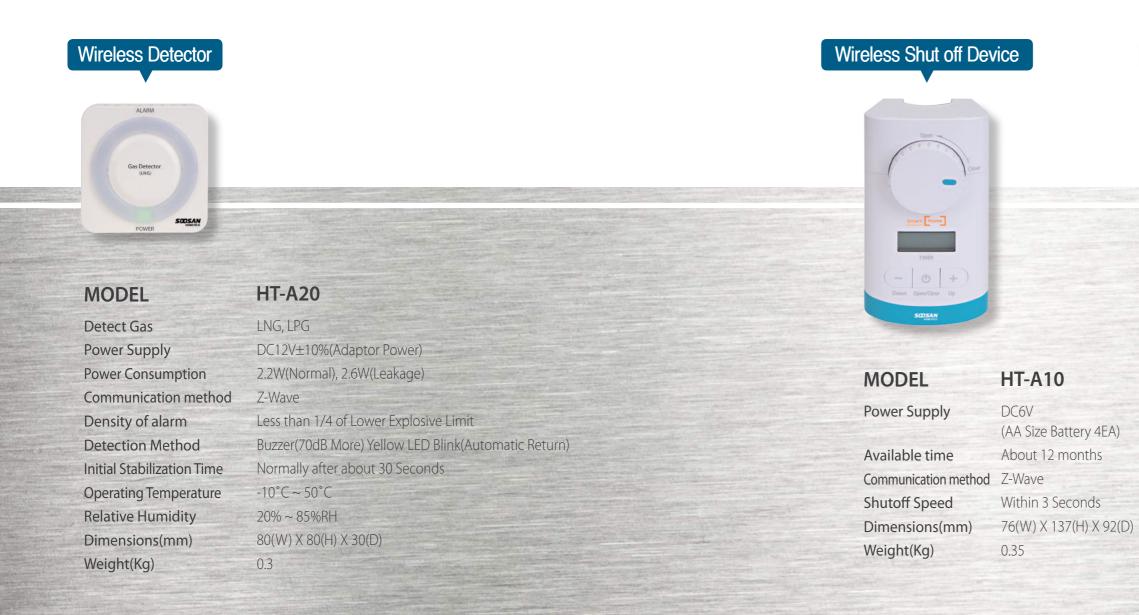
All-in-one (With a sensor and a temperature compensation device)

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To keep our loving one safe...

We make better products with smart design and reliable performance for your home.



Timer Shut off Device



MODEL

Power Supply

Available time Shutoff Speed Weight(Kg)

HT-B10

DC6V (AA Size Battery 4EA) About 12 months Within 3 Seconds **Dimensions(mm)** 76(W) X 137(H) X 92(D) 0.35

Residential Standard & Standard

Shutoff Device

	Manual O Ommongo
4	MUTOFF DEVICE

TOFF DE

DD-704(20A)	MODEL DD-704 (3/4")	
	Power Supply	DC
	Valve	Dire
	Power Consumption	Wh

Shutoff Speed

Weight(g)

Dimensions(mm)

C12V±10% irect type Ball Valve hen Operating 1.5W Within 12 Seconds 80(W) X 100(H) X 55(D) 165

DC12V±10%

290

Screw type Ball Valve When Operating 1.8W

Within 15 Seconds

115(W) X 140(H) X 65(D)

ED-704(20A)	MODEL ED-704 (3/4"
	Power Supply Valve Power Consumption Shutoff Speed Dimensions(mm) Weight(g)
	Weight(g)

	ED-705(25A)	MODEL ED-705 (1")	
		Power Supply Valve	DC12V±10% Screw type Ball Valve
		Power Consumption	When Operating 1.5W Within 15 Seconds
3		Shutoff Speed Dimensions(mm)	135(W) X 160(H) X 65(D)
DEVICE		Weight(g)	330

Controller



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DC-531(1CR)	MODEL DC-531	
	Power Supply Power Consumption Out-put Voltage Operating Temperature Relative Humidity Dimensions(mm) Weight(g)	AC220V±10%, 50/60Hz When Operating 1.8W DC12V±10% -10°C ~ 40°C 20% ~ 85%RH 100(W) X 145(H) X 45(D) 450

DC-532(2CR)	MODEL DC-532	
	Power Supply Power Consumption Out-put Voltage Operating Temperature Relative Humidity Dimensions(mm) Weight(g)	AC220V±10%, 50/60Hz When Operating 2W DC12V±10% -10°C ~ 40°C 20% ~ 85%RH 100(W) X 145(H) X 45(D) 450





LNG, LPG
DC12V±10%
0.8W(Normal), 1.1W(Leakage)
Red/Black 2V(Normal), 9V(Leakage)
Less than 1/4 of Lower Explosive Limit
Buzzer(70dB More) Yellow LED Blink (Automatic Return)
Normally after about 30 Seconds
-10°C~40°C
20% ~ 85%RH
76(W) X 113(H) X 44(D)
130



Detect Gas Power Supply Power Consumption Out-put Voltage Density of alarm **Detection Method**

Initial Stabilization Time **Operating Temperature Relative Humidity** Dimensions(mm) Weight(g)

EC-533(3CR) MODEL EC-533

EC-536(6CR) MODEL EC-536

Power Supply Power Consumption **Out-put Voltage Operating Temperature Relative Humidity** Dimensions(mm) Weight(Kg)

AC220V±10%, 50/60Hz When Operating 1.2W DC12V±10% -10°C~40°C 20% ~ 85%RH 150(W) X 210(H) X 70(D) 0.95

PRODUCT

BB-365 (LNG, LPG) MODEL BB-365

Detect Gas **Power Supply** Power Consumption Out-put Voltage Density of alarm **Detection Method**

Initial Stabilization Time **Operating Temperature** Relative Humidity Dimensions(mm) Weight(g)

LNG, LPG DC12V±10% 0.8W(Normal), 1.1W(Leakage) Red/Black 2V(Normal), 9V(Leakage) Less than 1/4 of Lower Explosive Limit Buzzer(70dB More) Yellow LED Blink (Automatic Return) Normally after about 30 Seconds -10°C~40°C 20% ~ 85%RH 81(W) X 30(H) X 81(D) 70

AB-365 (LNG, LPG) MODEL AB-365

AB-370 (LNG, LPG) MODEL AB-370

LNG, LPG AC220V±10%, 50/60Hz 1.8W(Normal), 3W(Leakage) Red/Black 2V(Normal), 9V(Leakage) Less than 1/4 of Lower Explosive Limit Buzzer(70dB More) Yellow LED Blink (Automatic Return) Normally after about 30 Seconds -10°C~40°C 20%~85%RH 76(W) X 113(H) X 44(D) 240



To keep your assets safe...

Smart looking and the pre-warning function make our commercial gas leakage detector and gas leakage shut-off device more reliable.



MODEL

Power Supply Shutoff Speed Dimensions(mm) Weight(Kg)

CD-706(32A)(11/4") DC24V±10% Power Consumption When Operating 5W Within 5~20 Seconds 265(W) X 240(H) X 140(D)

MODEL

Power Supply Power Consumption When Operating 3.5W Operating Temperature $-10^{\circ}C \sim 40^{\circ}C$ **Relative Humidity** Dimensions(mm) Weight(Kg)

EC-541 AC220V±10%, 50/60Hz 20%~85%

0.7

150(W) X 210(H) X 70(D)

Gas Detector



MODEL

Detect Gas **Power Supply Power Consumption Explosion Proof** Install Length Density of alarm **Detection Method** Initial Stabilization Time **Operating Temperature Relative Humidity** Dimensions(mm)

AB-454 (LNG, LPG)

LNG, LPG AC220V±10%, 50/60Hz 4W(Normal), 5.5W(Leakage) d2G4, EX d II B T4 Using within 300M of the standard wire(Electrical residence 15Ω) Less than 1/4 of Lower Explosion Limit Buzzer(70dB More) Yellow LED Blink(Automatic Return) Normally after about 30 Seconds -10°C~40°C 20%~85%RH Receiver: 150(W) X 210(H) X 70(D) Detection Part : 180(W) X 130(H) X 80(D) Receiver: 0.75, Detection Part: 0.7

Weight(Kg)

3.1

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CD-708(40A)(1 ¹ / ₂ ")	MODEL CD-708
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Power Supply Power Consumption Shutoff Speed Dimensions(mm) Weight(Kg)

DC24V±10% When Operating 5W Within 5~20 Seconds 265(W) X 240(H) X 140(D) 3



CD-710(50A)(2") MODEL CD-710	
	Power Supply Power Consumption Shutoff Speed Dimensions(mm) Weight(Kg)	DC24V±10% When Operatin Within 5~20 Se 265(W) X 240(3

rating 5W 20 Seconds 240(H) X 140(D)



CD 712/(CEA)/21/ //)		
CD-713(65A)(2½ ")	MODEL CD-7	15

Power Supply Power Consumption Shutoff Speed Dimensions(mm) Weight(Kg)

DC24V±10% When Operating 5W Within 5~20 Seconds 300(W) X 320(H) X 155(D) 3.6

* All commercial gas leakage shut-off devices are available for flange type valves.



















EC-543(3CR) MODEL EC-543

Power Supply Power Consumption **Operating Temperature Relative Humidity** Dimensions(mm) Weight(Kg)

AC220V±10%, 50/60Hz When Operating 3.5W -10°C~40°C 20% ~ 85% 150(W) X 210(H) X 70(D) 0.7

PRODUCT

EC-546(6CR) MODEL EC-546

Power Supply Power Consumption **Operating Temperature** $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$ **Relative Humidity** Dimensions(mm) Weight(Kg)

AC220V±10%, 50/60Hz When Operating 3.5W 20% ~ 85% 150(W) X 210(H) X 70(D) 0.7

CC-540P MODEL CC-540P

Power Supply Power Consumption Out-put Voltage **Operating Temperature** $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$ **Relative Humidity** Dimensions(mm) Weight(Kg)

AC220V±10%, 50/60Hz When Operating 4.6W DC24V±10% 20% ~ 85% 42(W) X 138(H) X 115(D) 0.35

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For everyone to be safe...

High torque industrial gas leakage shut-off device provides strong power which can open and close valves precisely at any time.







MODEL

Function Power Supply Out-put Voltage **Response Time Operating Temperature** $-10^{\circ}C \sim 40^{\circ}C$ **Relative Humidity** Dimensions(mm)

Weight(Kg) Kind of Products

AB-455

Alarm, Connection with Shutoff System AC220V±10%, 50/60Hz **Power Consumption** 15.2W(Normal), 20W(Leakage) OV(Normal), 12V(Leakage) Within 20 Seconds 20%~85%RH 275(W) X 340(H) X 160(D) (4 Circuits Standards) 8 (4 Circuits Standards) 3Circuits, 6Circuits, 9Circuits n (Made to Order)

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Industrial

Shutoff Device

CD-720(100A) MODEL CD-720 (4")

Power Supply Power Consumption Shutoff Speed Dimensions(mm) Weight(Kg) DC90V±10% When Operating 15W Within 30 Seconds 380(W) X 380(H) X 205(D) 9.5

PRODUCT

BD-722(150A) MODEL BD-722 (6")

Power Supply Power Consumption Shutoff Speed Dimensions(mm) Weight(Kg)

DC90V±10% When Operating 20W Within 30 Seconds 345(W) X 365(H) X 340(D) 18

TOFF SYSTEM	DC-553(3CR)	MODEL DC-553	
		Power Supply Power Consumption Operating Temperature Relative Humidity Dimensions(mm)	AC220V±10%, 50/60Hz When Operating 3.5W -10°C ~ 40°C 20% ~ 85% 150(W) X 210(H) X 70(D)
		Weight(Kg)	0.7

STEM	DC-556(6CR)	MODEL DC-556	
		Power Supply Power Consumption Operating Temperature Relative Humidity Dimensions(mm) Weight(Kg)	AC220V±10%, 50/60Hz When Operating 3.5W -10°C ~ 40°C 20% ~ 85% 150(W) X 210(H) X 70(D) 0.7

CC-550P	MODEL CC-550P	
	Power Supply Power Consumption Out-put Voltage Operating Temperature Relative Humidity Dimensions(mm) Weight(Kg)	AC220V±10%, 50/60Hz When Operating 8W DC90V±10% -10°C ~ 40°C 20% ~ 85% 42(W) X 138(H) X 115(D) 0.7

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Shutoff Device	Controller	Gas Detector
Re	sidential, Standard	
 1) ED-704 •• 2) DD-704 •• 3) ED-705 •• 	 DC-531 •• DC-532 •• DC-533 •• DC-536 •• 	 ③ AB-365 • ① BB-365 • ④ AB-370 •
	Commercial	
 ③ CD-706 •• ③ CD-708 •• ③ CD-710 •• ④ CD-713 •• 	 ② EC-541 • ③ EC-543 • ③ EC-546 • ④ CC-540P • 	 (5) AB-454 (4) AB-370 (3) AB-365 (6) AB-455
	Industrial	
 ⑤ CD-716 •• ⑤ CD-720 •• ⑥ BD-722 •• ⑦ AD-724 •• 	 ② DC-551 • ③ DC-553 • ③ DC-556 • ⑤ CC-550P • 	 ③ AB-365 ⑥ AB-455 ⑤ AB-454 ④ AB-370
Products configuration >	The set is Composed of the sam shut-off device and detector.	
	Example) Controller • Shutoff D	Device • Gas Detector • Device • Gas Detector •

Products configuration

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For extra safety...

We, Soosan Hometech, offer optional products for your better safety.





The water resistant cover protects the gas detecting part (For AB-454, 455) from external environments such as rain, snow, and wind.

MODEL	Waterproof Cover
AND CONTRACTOR OF A CONTRACTOR	A REAL PROPERTY AND A REAL

Dimensions(mm) 170(W)×90(H)×130(D) Weight(g)

750

Standard Gas



The calibration gas helps to check gas leakage detectors are operating properly and performance test.

MODEL	(
Material	9
Filling up Capacity(m ³)	9
Filling up Pressure(kg/cm ²)	8
Gas Density	L
Dimensions(mm)	6
Weight(g)	1



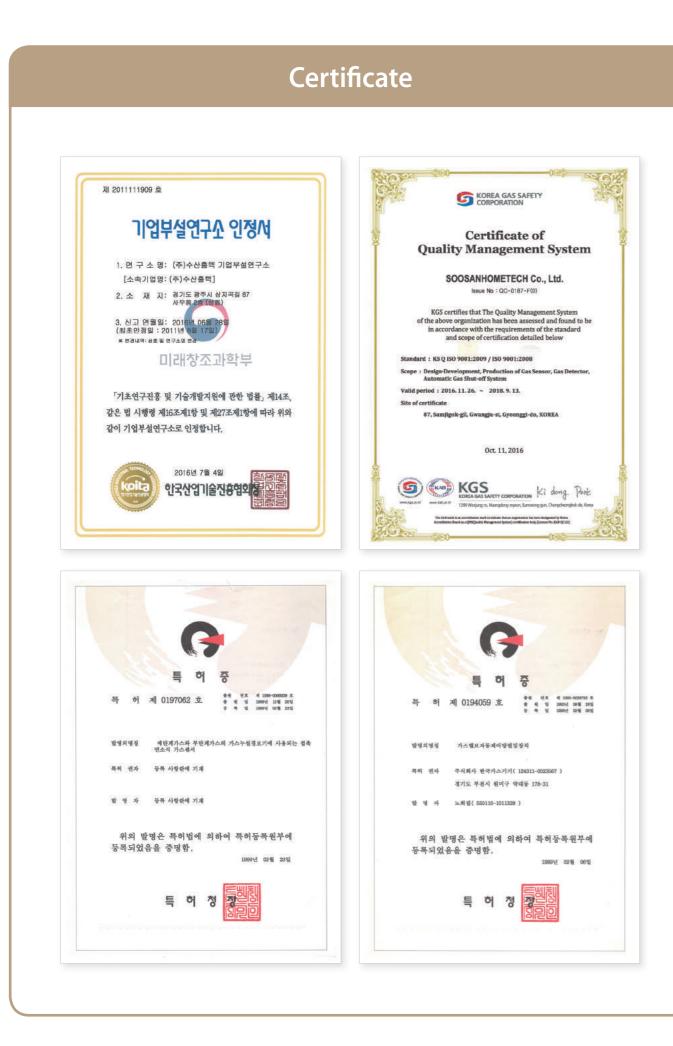
* Nozzle is purchased separately

Calibration gas (LNG, LPG)

Steel(Reusable) 920

LEL (50%, 40%, 25%) 66(Ø) X 300(H) 145

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Certificate





Declara	tion of Conformity	25
Deciara	don of comonity	
HAN	KOOK GAS KIKI Co., Ltd	
#111, Sam-	dong, Gwangju-si, Gyeonggi-do, Korea	
WE DECLARE UNDER	R OUR SOLE RESPONSIBILITY THAT THE PRODUCT:	
PRODUCT : MODEL :	AB-454	
Re	eference Report No.: KST-S11-0044	
	CLARATION RELATES IS IN CONFORMITY WITH THE NDARDS AND THEREFORE BEARS CE MARKING:	
	EN 61010-1:2001(2 nd Edition)	
	ROVISIONS OF THE APPLICABLE DIRECTIVES	
Authorized person	Date	
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For better safety for your family... For happiness in your home... For safe working environments...

we, Soosan Hometech, are always with you.

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