



GREENHOUSE GAS DETECTOR

SH-[]IR SERIES

BESTOBELL
AQUATRONIX

SINCE / DEPUIS 1953

BEP-Bestobell
www.bestobell.com



◆ Detectable Greenhouse Gases

Model	Gas Name	Range (ppm)	100-year GWP *
SH-4500IR	SF ₆	0 – 300	22,800
		0 – 5000	
SH-4600IR	N ₂ O	0 – 300	298
SH-4700IR	CF ₄	0 – 500	7,390
		0 – 5000	
	CHF ₃	0 – 500	14,800

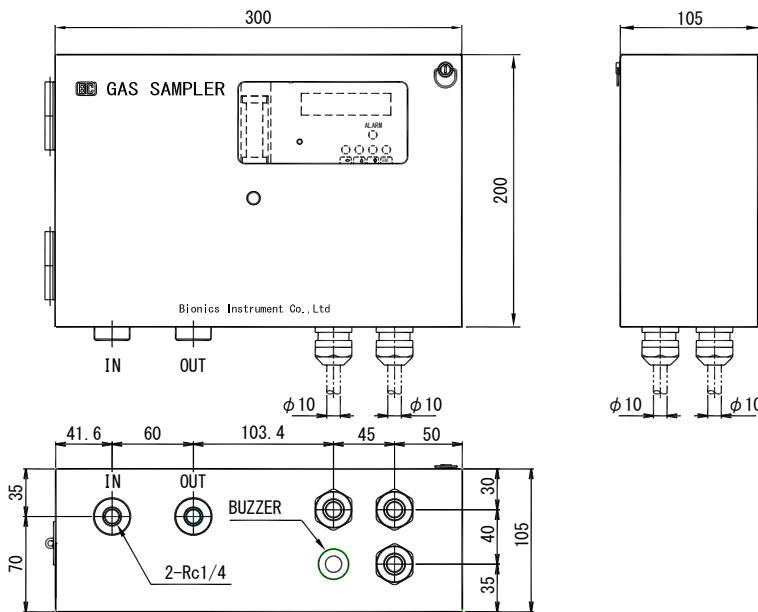
* IPCC' s 4th (2007) Assessment Report

- ◆ Using NDIR (Non Dispersive Infrared) sensor
- ◆ Stand-alone as detection system
 - DC 4 – 20 mA output
 - Error relay contacts
 - Local audio & visual alarm
 - Built-in Optical flow sensor
- ◆ AC 100 – 240 V operation

Specification

Model	SH-4500IR		SH-4600IR	SH-4700IR		
Detectable gas	SF ₆		N ₂ O	CF ₄	CHF ₃	
Principle	NDIR (Non Dispersive Infrared)					
Range (ppm)	0 - 300	0 - 5000	0 - 300	0 - 500	0 - 5000	0-500
Min. alarm set amount (ppm)	50	1000	50	100	1000	100
Alarm accuracy	± 30 % of alarm setting amount					
Response time	T60 < 30 sec		T90 < 30 sec	T60 < 30 sec		
Sampling style	Sample draw (0.5 liter/min)					
Analog output	DC 4 - 20mA (900 Ω impedance)					
Alarm relay contacts	A1 : dry c, A2 : dry c, Err : dry c (fail safe action)					
Capacity of relay contacts	AC 125V, 0.3A max.; DC30V, 1.0A max. (resistive load)					
Type of pump	Diaphragm pump					
Sampling tube connection	Rc 1/4					
Operating Temp. / Humidity	0 - 40°C/ 20 - 90% RH (no condensing)					
Mounting style	Wall mount					
Power requirement	AC 100 - 240V					
Power consumption	Approx. 15 W					
Dimensions (mm)	Approx. 300(W) × 200(H) × 105(D)					
Weight	Approx. 4 kg					

Dimensions



Unit: mm

✘We reserve the right to change specifications without notice.

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