# INDICATOR/ALARM UNIT GP-6001 SPECIFICATION

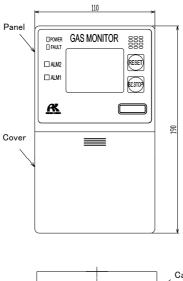
Detectable gas <sup>*</sup>	Combustible gas
Applicable detector head	Catalytic combustion method gas detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,="" orange,="" red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st: ALM1 lamp blinking or lighting(red)·buzzer
	2nd : ALM2 lamp blinking or lighting (red) buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm)
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Communication failure(digital
-	transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme <sup>*</sup>	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA(non-isolated · load resistance less than
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Direct signal from sensor
Cable between detector	CVV worth cable(1.25sq or 2.0sq) • 4-core
Distance between detector	Less than 1km by CVV · 2.0sq cable
Various functions	Alarm delay/Suppress/Zero tracking/Peak hold/Calibration history/
	Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) 【Option】
Power consumption	AC specification : MAX.15VA(detector head including, pump excluding)
	DC specification: MAX.8.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100 $\sim$ 240V $\cdot$ MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure <sup>*</sup>	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
	Rack mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
Weight	Wall mounting type : Approx. O. 58kg
	Rack mounting type : Approx.0.65kg

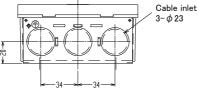
### <u>Outline Drawings</u> Self-latching/auto-reset operation specifications

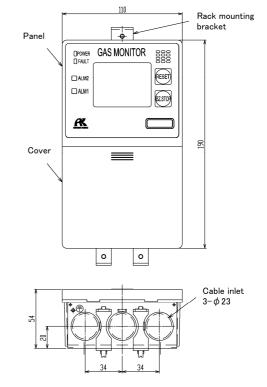
#### Wall mounting type Rack mounting type 110 110 Rack mounting bracket Panel Panel GAS MONITOR () POWER GAS MONITOR ()POWER ()FNUUT 888 ß ſ Æ 8 8 Cover \_ Cover 0 0 Cable inlet Cable inlet 3−*φ*23 3−*ф* 23

# Lock-in operation specifications

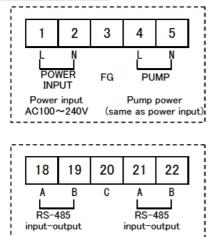
### Wall mounting type







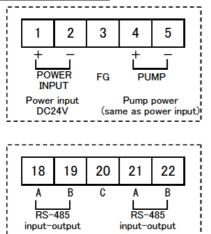
#### AC specification



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	6 7 8 9			9	10	11	12	13	14	15	16	17	
	3 4 5 6 DETECTOR				+ L 4-20	 DmA	L	ALM1		M2	FAULT		
Detector head					Gas concentration signal 4-20mA		cor	1 <sup>st</sup> alarm contact output		alarm tact tput	Fault alarm contact output		

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



6 7 8 9		9	10	11	12	12 13		14 15		16 17			
3 4 5 6 DETECTOR Detector head				6	+ 4-20	0mA	AL	M1	AL	M2	FAULT		
					Ga concen signal 4	tration	1 <sup>st</sup> alarm contact output		2 <sup>nd</sup> alarm contact output		Fault alarm contact output		

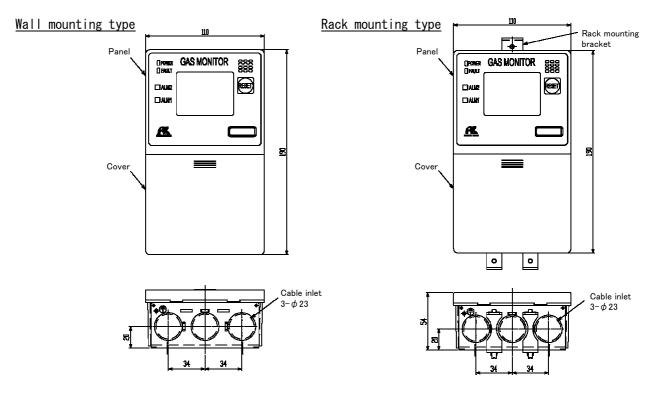
# INDICATOR/ALARM UNIT GH-6001 SPECIFICATION

Detectable gas <sup>*</sup>	Combustible gas/Toxic gas
Applicable detector head	Semi-conductor method gas detector head
Gas concentration display	LCD (digital and bar-meter display <three colors:green,="" orange,="" red="">)</three>
Power indication	POWER lamp lighting (green)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st : ALM1 lamp blinking or lighting(red) • buzzer
	2nd : ALM2 lamp blinking or lighting (red) · buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>%</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal (exciting at alarm) or exciting at normal
Turuhla alaum Calf diamaaia	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Communication failure(digital
<b>-</b>	transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme <sup>*</sup>	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA(non-isolated • load resistance less than
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Direct signal from sensor
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 3-core
Distance between detector	Less than 1km by CVVS · 2.0sq cable
Various functions	Alarm delay/Suppress/Peak hold/Calibration history/
	Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification : DC24V±10%(DC21.6~26.4V) [Option]
Power consumption	AC specification : MAX.11.5VA(detector head including, pump excluding)
	DC specification : MAX.6W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
-	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure*	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
	Rack mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
Weight	Wall mounting type: Approx. 0.58kg
in the second se	Rack mounting type: Approx. 0. 65kg
Elease specify your request	

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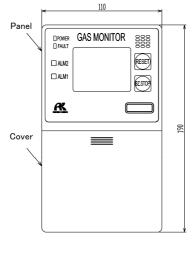
### Outline Drawings

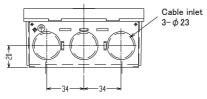
Self-latching/auto-reset operation specifications

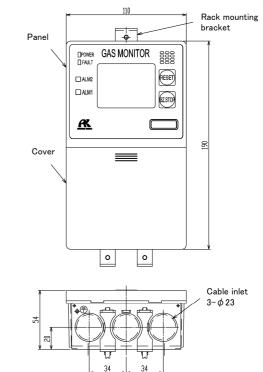


### Lock-in operation specifications

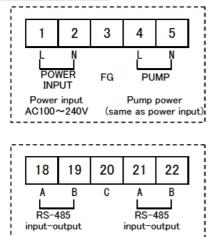
### Wall mounting type







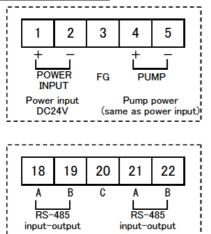
#### AC specification



6	7	8	9	10	11	12	13	14	15	16	17
3 4 5 6 DETECTOR				+ 4-20	 DmA	L	ALM1		M2	FAULT	
Detector head				Gas concentration signal 4-20mA		cor	1 <sup>st</sup> alarm contact output		2 <sup>nª</sup> alarm contact output		alarm tact tput

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



6 7 8 9		9	10	11	12	12 13		14 15		16 17			
3 4 5 6 DETECTOR Detector head				6	+ 4-20	0mA	AL	M1	AL	M2	FAULT		
					Ga concen signal 4	tration	1 <sup>st</sup> alarm contact output		2 <sup>nd</sup> alarm contact output		Fault alarm contact output		

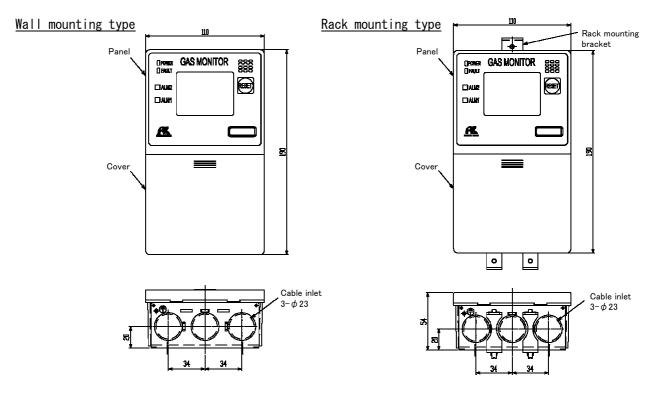
# INDICATOR/ALARM UNIT EC-6002 SPECIFICATION

Detectable gas <sup>*</sup>	Toxic gas
Applicable detector head <sup>**</sup>	Electrochemical method gas detector head/Pyrolysis-particle method gas
	detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,orange,red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st: ALM1 lamp blinking or lighting(red) • buzzer
	2nd : ALM2 lamp blinking or lighting(red) • buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover,Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Flow failure of gas detector
	head/Communication failure(digital transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme <sup>*</sup>	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA(non-isolated • load resistance less than
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Current signal(DC4~20mA)
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 2-core
Distance between detector	Less than 2km by CVVS · 2.0sq cable
Various functions	Alarm delay/Suppress/Peak hold/Calibration history/
	Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) [Option]
Power consumption	AC specification : MAX. 7.5VA(detector head including, pump excluding)
	DC specification: MAX.3.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	$-10 \sim 50^{\circ} C (non-rapidly-vary)$
Operating humidity	95%RH (non-condensing)
Structure*	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
	Rack mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
Weight	Wall mounting type : Approx. 0. 58kg
-	Rack mounting type : Approx. 0. 65kg

### RSE-0440-2

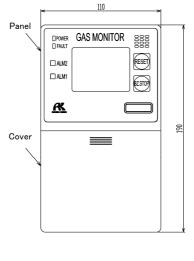
### Outline Drawings

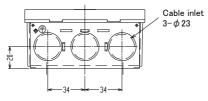
Self-latching/auto-reset operation specifications

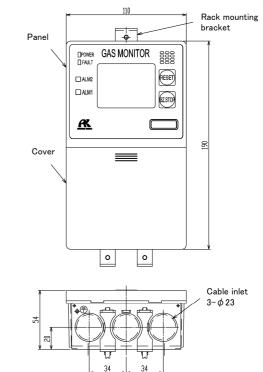


### Lock-in operation specifications

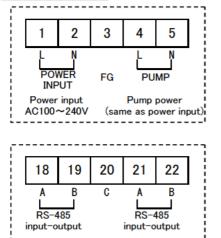
### Wall mounting type







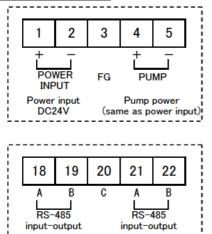
#### AC specification



6	7	8	9	10	11	12	13	14	15	16	17	
3 4 5 6 DETECTOR				+ L 4-20	 DmA	AL	ALM1		M2	FAULT		
Detector head				Gas concentration signal 4-20mA		cor	1 <sup>st</sup> alarm contact output		alarm tact tput	Fault alarm contact output		

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



6 7 8 9		9	10	11	12	12 13		14 15		16 17			
3 4 5 6 DETECTOR Detector head				6	+ 4-20	 0mA	L AL	M1	L AL	M2	FAULT		
					Ga concen signal 4	tration	con	alarm tact tput	2 <sup>nd</sup> alarm contact output		FAUL I Fault alarm contact output		

# INDICATOR/ALARM UNIT 0X-6001 SPECIFICATION

Detectable gas	Oxygen
Applicable detector head	Galvanic cell method gas detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,orange,red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type <sup>*</sup>	Two-level alarm(H-HH or L-H, L-LL)
Gas alarm indication	1st: ALM1 lamp blinking or lighting(red)·buzzer
	2nd : ALM2 lamp blinking or lighting(red) buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Communication failure(digita
	transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme*	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA (non-isolated • load resistance less that
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Direct signal from sensor
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 2-core
Distance between detector	Less than 600m by CVVS • 2.0sq cable
Various functions	Alarm delay/Suppress/Peak hold/Calibration history/Alarm trend
	history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) [Option]
Power consumption	AC specification : MAX. 6.5VA(detector head including, pump excluding)
·	DC specification : MAX.3W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
-	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure <sup>*</sup>	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
	Rack mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
Weight	Wall mounting type : Approx. 0.58kg
	Rack mounting type : Approx. 0. 65kg
Please specify your request	

### RSE-0441-2

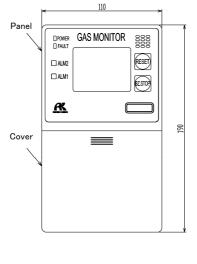
### Outline Drawings

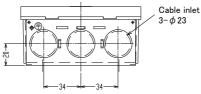
Self-latching/auto-reset operation specifications

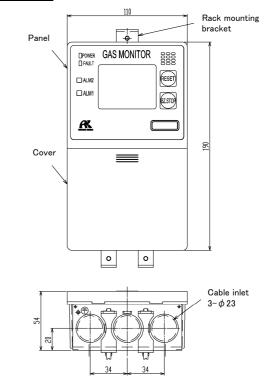
#### Wall mounting type Rack mounting type 110 110 Rack mounting T. bracket Panel Panel GAS MONITOR GAS MONITOR 888 () | Fruit ()POWER ()POWER 888 DAM Æ ß C Г 8 8 Cover Cover 0 0 Cable inlet Cable inlet $3-\phi 23$ 3−*φ*23 2 34 24

### Lock-in operation specifications

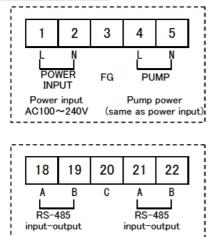
### Wall mounting type







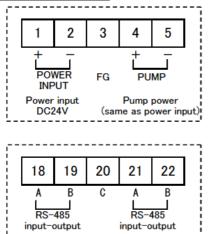
#### AC specification



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	6 7 8 9			9	10	11	12	13	14	15	16	17	
	3 4 5 6 DETECTOR				+ L 4-20	 DmA	L	ALM1		M2	FAULT		
Detector head					Gas concentration signal 4-20mA		cor	1 <sup>st</sup> alarm contact output		alarm tact tput	Fault alarm contact output		

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



6 7 8 9		9	10 11		12	12 13		14 15		16 17			
3 4 5 6 DETECTOR				6	+ 4-20	 0mA	L AL	M1	L AL	M2	FAULT		
DETECTOR Detector head					Ga concen signal 4	tration	cor	alarm itact tput	con	alarm tact tput	Fault alarm contact output		

# INDICATOR/ALARM UNIT 0X-6002 SPECIFICATION

Detectable gas	Oxygen
Applicable detector head	Galvanic cell method gas detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,="" orange,="" red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type <sup>*</sup>	Two-level alarm(H-HH or L-H, L-LL)
Gas alarm indication	1st : ALM1 lamp blinking or lighting(red) • buzzer
	2nd : ALM2 lamp blinking or lighting(red) • buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Flow failure of gas detector
C C	head/Communication failure(digital transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme*	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA (non-isolated • load resistance less than
transmission	$300\Omega$ )/Digital transmission : RS-485
Gas detector head signal	Current signal (DC4~20mA)
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 2-core
Distance between detector	Less than 2km by CVVS • 2.0sq cable
Various functions	Alarm delay/Suppress/Peak hold/Calibration history/Alarm trend
	history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) [Option]
Power consumption	AC specification: MAX.7.5VA(detector head including, pump excluding)
	DC specification: MAX.3.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure <sup>*</sup>	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
	Rack mounting type : Approx. 110 (W) $\times$ 190 (H) $\times$ 54 (D) mm (projection excluding)
Weight	Wall mounting type : Approx. 0. 58kg
	Rack mounting type : Approx. 0.65kg
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### RSE-0442-2

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Cable inlet  $3-\phi 23$ 

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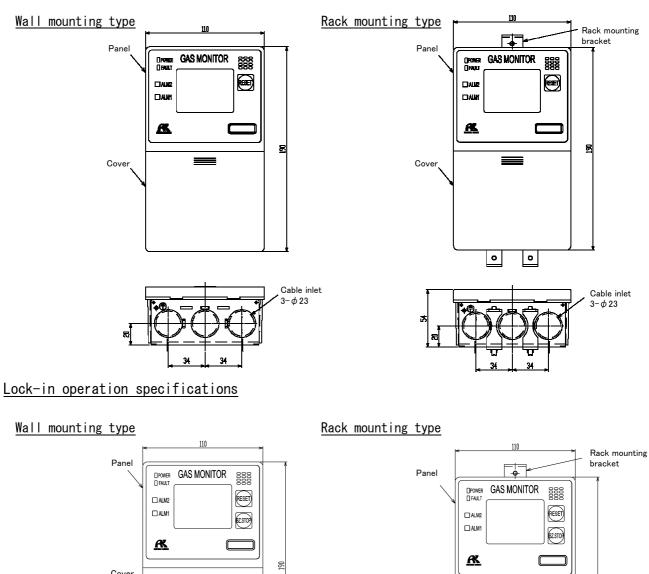
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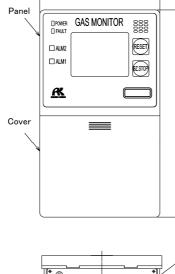
Cover

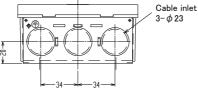
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### Outline Drawings

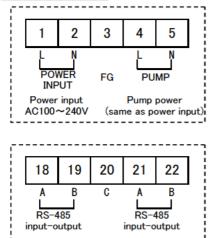
Self-latching/auto-reset operation specifications







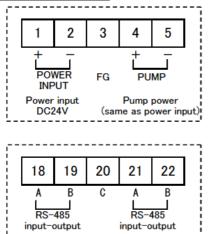
#### AC specification



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	6	7	8	9	10	11	12	13	14	15	16	17
	3	4 DETE	5 CTOR	6	+ L 4-20	 DmA	L	M1	AL	M2	FAU	JLT
Detector head					Ga concen signal 4	tration	cor	alarm itact tput	2 <sup>nª</sup> alarm contact output		Fault alarm contact output	

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



	6	7	8	9	10	11	12	13	14	15	16	17
	3	4 DETE	5 CTOR	6	+ 4-20	0mA	AL	M1	AL	M2	FAL	JLT
Detector head					Ga concen signal 4	tration	1 <sup>st</sup> alarm contact output		2 <sup>nd</sup> alarm contact output		Fault alarm contact output	

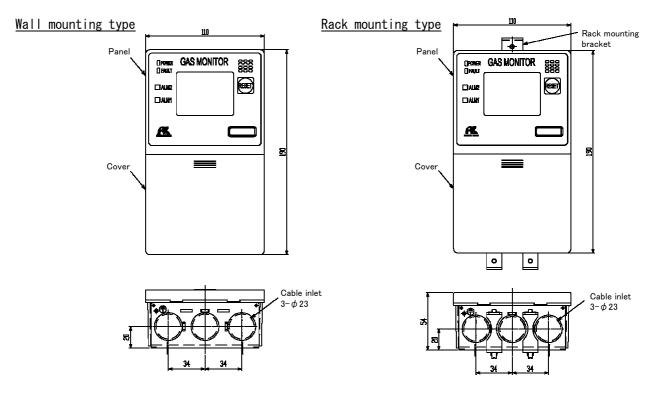
# INDICATOR/ALARM UNIT RM-6002 SPECIFICATION

Detectab∣e gas <sup>%</sup>	Depend on the connected detector head
Applicable detector head <sup>*</sup>	General measurement signal output detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,orange,red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type <sup>%</sup>	Two-level alarm(H-HH or L-H, L-LL)
Gas alarm indication	1st: ALM1 lamp blinking or lighting(red) • buzzer
	2nd : ALM2 lamp blinking or lighting(red) • buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover,Lock-in
Gas alarm contact <sup>**</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Flow failure of gas detector
C C	head/Communication failure(digital transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>*</sup>	No-voltage contact 1a or 1b ·
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme <sup>*</sup>	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA(non-isolated • load resistance less than
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Current signal (DC4~20mA)
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 2-core
Distance between detector*	Depend on the connected detector head
Various functions	Alarm delay/Peak hold/Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) 【Option】
Power consumption	AC specification : MAX. 7.5VA(detector head including, pump excluding)
	DC specification : MAX. 3.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) 【Option】
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condens i ng)
Structure <sup>*</sup>	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
	Rack mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
	Rack induiting type: Approx. 110 (ii) $>$ 190 (ii) $>$ 34 (D) init (projection excluding)
Weight	Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excitating) Wall mounting type : Approx. 0.58kg

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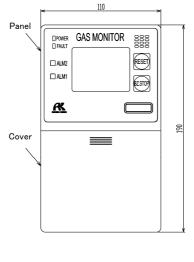
### Outline Drawings

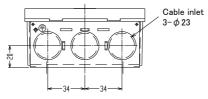
Self-latching/auto-reset operation specifications

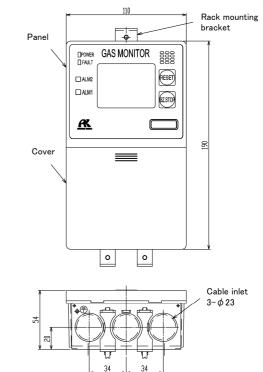


### Lock-in operation specifications

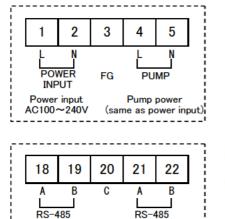
### Wall mounting type







#### AC specification



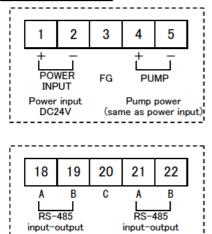
input-output

	6	7	8	9	10	11	12	13	14	15	16	17
•	3	4 DETE	5 CTOR	6	+ L 4-20	 0mA	L	M1	AL	M2	FAU	JLT
		Detect	tor head		Ga concen signal 4	tration	cor	alarm itact tput	con	alarm tact tput	cor	t alarm ntact tput

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification

input-output



	6	7	8	9	10	11	12	13	14	15	16	17
	0	'	0	5			12	10	14	10	10	l ''
	3	4 DETE	5 CTOR	6	+ 4-2	 0mA	AL	M1	AL	M2	FAU	JLT
Detector head					Ga concen signal 4	tration	con	alarm itact tput	con	alarm tact tput	COL	t alarm ntact tput

### INDICATOR/ALARM UNIT RM-6003 SPECIFICATION

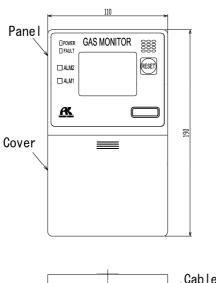
Detectable gas <sup>%1</sup>	Depend on the connected detector head
Applicable detector head <sup>%1</sup>	Various gas detector heads
Gas concentration display	LCD(digital and bar-meter display <three colors:green,orange,red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type <sup>%1</sup>	Two-level alarm(H-HH or L-H or L-LL)
Gas alarm indication <sup>%1</sup>	1st: ALM1 lamp blinking or lighting(red) Buzzer
	2nd : ALM2 lamp blinking or lighting(red) Buzzer
Gas alarm action <sup>%1</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>%1</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal(exciting at alarm) or exciting at
	normal(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Flow failure of gas detector
	head/Communication failure(digital transmission only)
Trouble alarm indication	FAULT lamp blinking(yellow)/content display/Buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>%1</sup>	No-voltage contact 1a or 1b · Non-exciting at normal(exciting at alarm)
	or exciting at normal(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme <sup>*1</sup>	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA(non-isolated • load resistance less than
Transmission	300   \)
	Digital transmission:RS-485
Gas detector head signal	Current signal(DC4~20mA)
Cable between detector	CVVS worth shielded cable(1.25sq or 2.0sq) • 3-core(power·signal·common)
Distance between detector <sup>**1</sup>	Depend on the connected detector head
Various functions	Alarm delay/Peak hold/Alarm trend history/Event history
Power supply <sup>%1</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) 【Option】
Power consumption <sup>**2</sup>	AC specification: MAX.7.5VA
	DC specification: MAX.3.5W
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) 【Option】
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	Less than 95%RH(non-condensing)
Structure <sup>%1</sup>	Wall mounting type or Panel mounting type
Outer dimension	Wall mounting type:
	Approx.110(W) × 190(H) × 54(D)mm(projection excluding)
	Panel mounting type:
	Approx. 110 (W) $\times$ 190 (H) $\times$ 54 (D) mm (projection excluding)
Weight	Wall mounting type : Approx. 0. 58kg

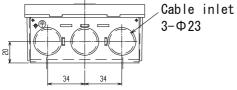
※1 Please specify your request when ordering.

 $\pm 2$  The power consumption value does not include that of the connected detector head. Add to this value.

## <u>Outline Drawings</u> Self-latching/auto-reset operation specifications

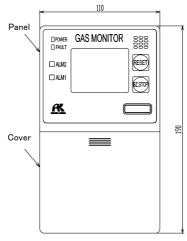
### Wall mounting type

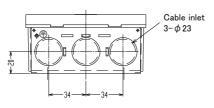




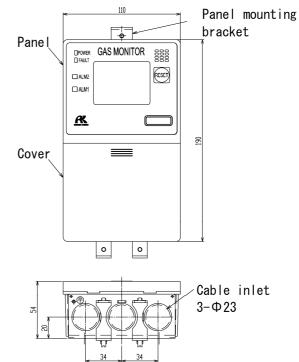
# Lock-in operation specifications

### Wall mounting type

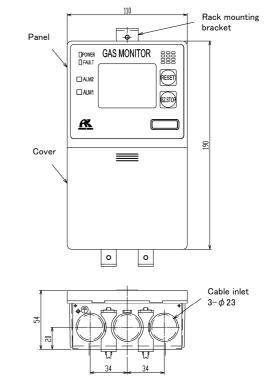




## Panel mounting type

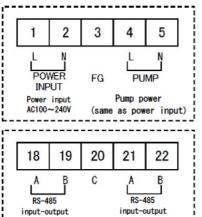


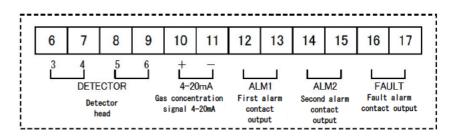
### Rack mounting type



### RSE-0444-2

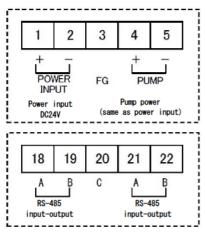
#### AC specification





- \* Compatible bar terminal: 216 Series (manufactured by WAGO), compatible wire: Size 0.5~2.0 mm<sup>2</sup> (stranded wire) or Φ0.8~2.0 mm (solid wire), bare wire length 10~11 mm
- \* RS-485 [option]

### DC specification



6	7	8	9	10	11	12	13	14	15	16	17
3	Det	5 ECTOR ector ead		+ 4-20 s concent signal 4-	tration	AL First cont	alarm tact	Second	M2 I alarm tact	FAI Fault contact	

- \* Compatible bar terminal: 216 Series (manufactured by WAGO), compatible wire: Size 0.5~2.0 mm<sup>2</sup> (stranded wire) or  $\Phi$ 0.8~2.0 mm (solid wire), bare wire length 10~11 mm
- \* RS-485 [option]

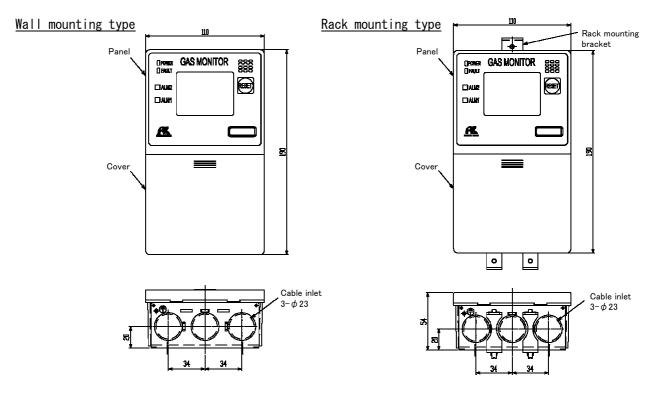
# INDICATOR/ALARM UNIT NC-6001 SPECIFICATION

Detectable gas <sup>*</sup>	Combustible gas
Applicable detector head	New ceramic method gas detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,orange,red="">)</three>
Power indication	POWER lamp lighting(green)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st: ALM1 lamp blinking or lighting(red) • buzzer
	2nd : ALM2 lamp blinking or lighting(red) • buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm)
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Communication failure(digital
C C	transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b•
	Non-exciting at normal(exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme*	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4~20mA (non-isolated • load resistance less than
transmission	$300\Omega)/Digital transmission: RS-485$
Gas detector head signal	Direct signal from sensor
Cable between detector	CVV worth cable(1.25sq or 2.0sq) • 4-core
Distance between detector	Less than 1km by CVV • 2.0sq cable
Various functions	Alarm delay/Suppress/Zero tracking/Peak hold/Calibration history/
	Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) 【Option】
Power consumption	AC specification : MAX.15VA(detector head including, pump excluding)
	DC specification : MAX. 8.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure <sup>*</sup>	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
	Rack mounting type : Approx. 110(W) × 190(H) × 54(D)mm(projection excluding)
Weight	Wall mounting type : Approx. 0. 58kg
	Rack mounting type : Approx.0.65kg

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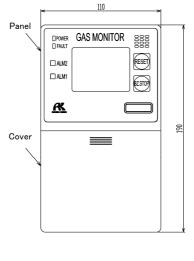
### Outline Drawings

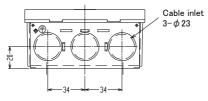
Self-latching/auto-reset operation specifications

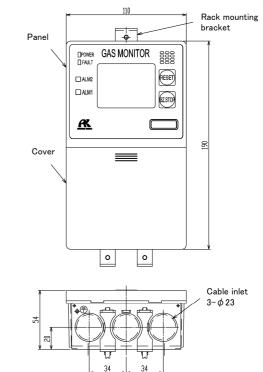


### Lock-in operation specifications

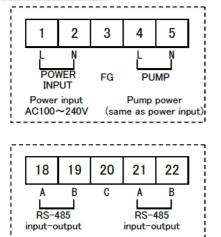
### Wall mounting type







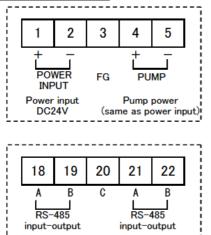
#### AC specification



_												
	6	7	8	9	10	11	12	13	14	15	16	17
	3	4 DETE	5 CTOR	6	+ L 4-20	 DmA	L	M1	AL	M2	FAU	JLT
Detector head					Ga concen signal 4	tration	cor	alarm itact tput	2 <sup>nª</sup> alarm contact output		Fault alarm contact output	

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



	6	7	8	9	10	11	12	13	14	15	16	17
	3	4 DETE	5 CTOR	6	+ 4-20	 0mA	L AL	M1	L AL	M2	FAU	JLT
Detector head					Gas concentration signal 4-20mA		cor	alarm itact tput	con	alarm tact tput	cor	alarm tact tput

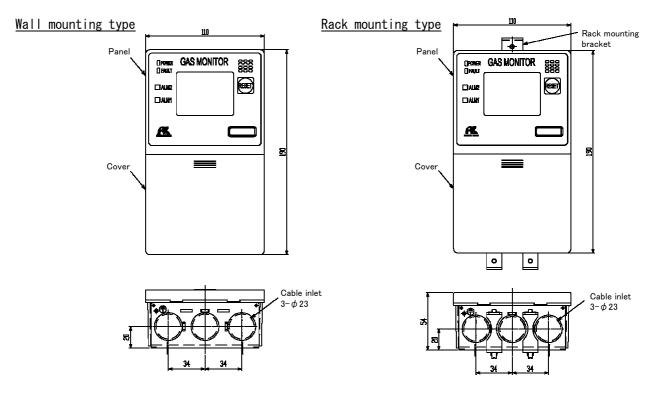
# INDICATOR/ALARM UNIT NC-6001W SPECIFICATION

Detectable gas <sup>*</sup>	Combustible gas
Applicable detector head	New ceramic method gas detector head
Gas concentration display	LCD(digital and bar-meter display <three colors:green,="" orange,="" red="">)</three>
Power indication	POWER lamp lighting (green)
Gas alarm type	Two-level alarm(H-HH)
Gas alarm indication	1st : ALM1 lamp blinking or lighting (red) • buzzer
	2nd : ALM2 lamp blinking or lighting (red) • buzzer
Gas alarm action <sup>*</sup>	Latched or Auto-recover, Lock-in
Gas alarm contact <sup>*</sup>	Each no-voltage contact 1a or 1b(contact output for each alarm) •
	Non-exciting at normal (exciting at alarm) or exciting at normal
	(non-exciting at alarm)
Trouble alarm · Self diagnosis	System failure/Detecting circuit failure/Communication failure(digital
	transmission only)
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer
Trouble alarm action	Auto-recover
Trouble alarm contact <sup>**</sup>	No-voltage contact 1a or 1b
	Non-exciting at normal (exciting at alarm) or exciting at normal
<b>A</b>	(non-exciting at alarm)
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)
Transmission scheme*	Analog transmission/Digital transmission [Option]
Specification of	Analog transmission : DC4 $\sim$ 20mA (non-isolated $\cdot$ load resistance less than
transmission	300Ω)/Digital transmission:RS-485
Gas detector head signal	Direct signal from sensor
Cable between detector	CVV worth cable(1.25sq or 2.0sq) • 4-core
Distance between detector	Less than 1km by CVV • 2.0sq cable
Various functions	Alarm delay/Suppress/Zero tracking/Peak hold/Calibration history/
	Alarm trend history/Event history
Power supply <sup>*</sup>	AC specification: AC100 $\sim$ 240V $\pm$ 10% $\cdot$ 50/60Hz or
	DC specification: DC24V±10%(DC21.6~26.4V) 【Option】
Power consumption	AC specification : MAX.15VA(detector head including, pump excluding)
	DC specification: MAX.8.5W(detector head including, pump excluding)
Utility	AC output for pump power supply(AC100~240V · MAX.15VA)
	DC output for pump power supply(DC24V · MAX.9W) [Option]
Initial clear	Approx. 25sec
Operating temperature	-10~50°C (non-rapidly-vary)
Operating humidity	95%RH (non-condensing)
Structure*	Wall mounting type or rack mounting type
Outer dimension	Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
	Rack mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)
Weight	Wall mounting type : Approx. 0.58kg
	Rack mounting type : Approx. 0. 65kg
& Please specify your request	

### RSE-0446-2

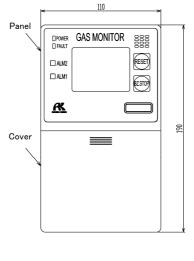
### Outline Drawings

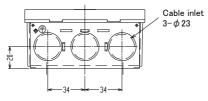
Self-latching/auto-reset operation specifications

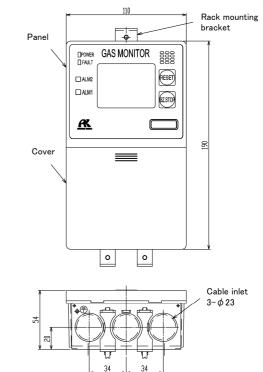


### Lock-in operation specifications

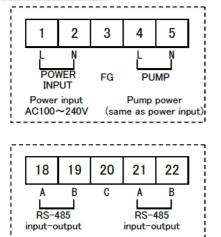
### Wall mounting type







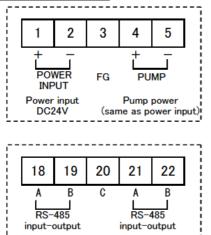
#### AC specification



	6	7	8	9	10	11	12	13	14	15	16	17
	3 4 5 6 DETECTOR		6	+ 4-20	 DmA	L	ALM1		ALM2		FAULT	
_	Detector head				Ga concen signal 4	tration	cor	alarm itact tput	2 <sup>nª</sup> alarm contact output		Fault alarm contact output	

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



	6	7	8	9	10	11	12	13	14	15	16	17
3 4  DE1		4 DETE	5 CTOR	6	+ 4-20	 OmA	L AL	M1	L AL	.M2	FAU	ULT
Detector head				Ga concen signal 4	tration	cor	alarm itact tput	2 <sup>nd</sup> alarm contact output		Fault alarm contact output		

# INDICATOR/ALARM UNIT SP-6001 SPECIFICATION

Detectable gas <sup>*</sup>	Combustible gas/Toxic gas					
Applicable detector head	Hot-wire semi-conductor method gas detector head					
Gas concentration display	LCD (digital and bar-meter display <three colors:green,="" orange,="" red="">)</three>					
Power indication	POWER lamp lighting (green)					
	Two-level alarm(H-HH)					
Gas alarm type						
Gas alarm indication	1st : ALM1 lamp blinking or lighting (red) • buzzer					
O	2nd: ALM2 lamp blinking or lighting(red) • buzzer					
Gas alarm action*	Latched or Auto-recover, Lock-in					
Gas alarm contact $^{*}$	Each no-voltage contact 1a or 1b(contact output for each alarm)					
	Non-exciting at normal (exciting at alarm) or exciting at normal					
	(non-exciting at alarm)					
Trouble alarm•Self diagnosis	System failure/Detecting circuit failure/Communication failure(digital					
	transmission only)					
Trouble alarm indication	FAULT lamp blinking(orange)/content display/buzzer					
Trouble alarm action	Auto-recover					
Trouble alarm contact $^st$	No-voltage contact 1a or 1b ·					
	Non-exciting at normal(exciting at alarm) or exciting at normal					
	(non-exciting at alarm)					
Contact capacity	AC125V · 1A/DC30V · 1A(resistive load)					
Transmission scheme <sup>**</sup>	Analog transmission/Digital transmission [Option]					
Specification of	Analog transmission : DC4~20mA(non-isolated • load resistance less than					
transmission	300Ω)/Digital transmission:RS-485					
Gas detector head signal	Direct signal from sensor					
Cable between detector	CVV worth cable(1.25sq or 2.0sq) • 4-core					
Distance between detector	Less than 1km by CVV • 2.0sq cable					
Various functions	Alarm delay/Suppress/Peak hold/Calibration history/					
	Alarm trend history/Event history					
Power supply <sup>*</sup>	AC specification: AC100~240V±10% · 50/60Hz or					
	DC specification : DC24V±10%(DC21.6~26.4V) [Option]					
Power consumption	AC specification : MAX.15VA(detector head including, pump excluding)					
	DC specification : MAX. 8.5W (detector head including, pump excluding)					
Utility	AC output for pump power supply (AC100~240V · MAX. 15VA)					
,	DC output for pump power supply (DC24V • MAX.9W) [Option]					
Initial clear	Approx. 25sec					
Operating temperature	$-10 \sim 50^{\circ} C (\text{non-rapidly-vary})$					
Operating humidity	95%RH (non-condens i ng)					
Structure <sup>*</sup>	Wall mounting type or rack mounting type					
Outer dimension	Wall mounting type of rack mounting type Wall mounting type : Approx. 110 (W) × 190 (H) × 54 (D) mm (projection excluding)					
	Rack mounting type : Approx. 110 (W) $\times$ 190 (H) $\times$ 54 (D) mm (projection excluding)					
Weight	Wall mounting type : Approx. 0.58kg					
nergiit	Rack mounting type: Approx. 0. 50kg					
× Please specify your request						

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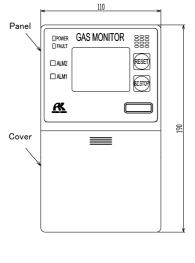
### Outline Drawings

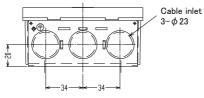
Self-latching/auto-reset operation specifications

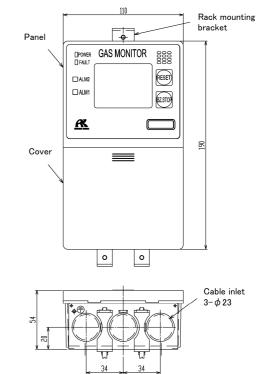
#### Wall mounting type Rack mounting type 110 110 Rack mounting T. bracket Panel Panel GAS MONITOR GAS MONITOR 888 () | Fruit ()POWER ()POWER 888 DAM Æ ß C Г 8 8 Cover Cover 0 0 Cable inlet Cable inlet $3-\phi 23$ 3−*φ*23 2 34 24

### Lock-in operation specifications

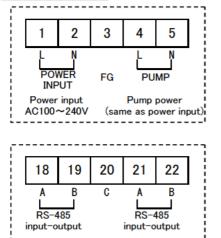
### Wall mounting type







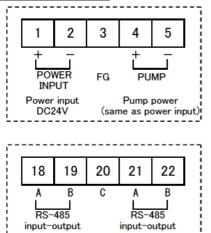
#### AC specification



	6	7	8	9	10	11	12	13	14	15	16	17
•	3 4 5 6 DETECTOR		6	+ 4-20	 DmA	L	ALM1		ALM2		FAULT	
	Detector head				Ga concen signal 4	tration	1 <sup>st</sup> alarm contact output		2 <sup>nª</sup> alarm contact output		Fault alarm contact output	

% Compatible bar terminal : 216 series(manufactured by WAGO), compatible wire : size 0.5-2.0mm<sup>2</sup>(stranded wire) or  $\phi 0.8-2.0$ mm(solid wire), bare wire length 10-11mm % RS-485[option]

#### DC specification



	6	7	8	9	10	11	12	13	14	15	16	17
3 4 5 6 DETECTOR		6	+ 4-20	 0mA	L AL	M1	L AL	M2	FAU	JLT		
Detector head				Ga concen signal 4	tration	con	alarm tact tput	2 <sup>nd</sup> alarm contact output		Fault alarm contact output		