

Specifications

- Supplied output range :** 0 to 25 kPa gauge (767401)
0 to 200 kPa gauge (767402)
- Minimum set resolution :** 0.001 kPa (767401)
0.01 kPa (767402)
- Supplied output :** 50± 10kPa (767401)
280± 20kPa (767402)
- Max. allowable input :** 100 kPa gauge (767401)
500 kPa gauge (767402)
- Accuracy*1 :**
Including calibration accuracy : ±0.05% of full scale (at 23°C ±3°C)
Not including calibration accuracy : ±0.045% of full scale (at 23°C ±3°C)
- Output noise :** ±0.02% of full scale
- Effect of mounting orientation :**
Forward/backward incline of 90° : ±0.1% of full scale (767401)
±0.01% of full scale (767402)
Sideways incline of 30° : ±2.5% of full scale (767401)
±0.2% of full scale (767402)
- Temperature coefficient :**
Zero point : ±0.003% of full scale/ °C
Span : ±0.002% of full scale/ °C
- Pressure display unit *2 (Select from the following when ordering)**
kPa only; kPa, kgf/cm², mmHg, mmH₂O (selectable);
kPa, inH₂O, inHg, psi (selectable)
- Output settings :** 4.5-digit settings
- Alarm :** LED turns on for low or excessively high supply pressure.
- Supply pressure source :** Dry air only: Temperature must be between 5°C and 40°C, and the amount of temperature change must be small. A pressure-reducing valve with a filter must be used to input a stable supply pressure.
- Air pressure control method :** Servo valve with needle valve structure
- Pressure sensor :** Silicon resonant sensor
- I/O connections :** Rc1/4 or 1/4 NPT (backside attachment in both cases; select when ordering)
- Output response time** (Time for value to read ±0.1% of full scale once change starts) : Approximately 5 seconds
Conditions : Any 20% - or 25% - divided output (one step), with no load.
- Monitor output *3 :** 0 to 10 mV/full scale or 0 to 2 V/full scale (selectable)
- Calibration interval :** Six months

- Air consumption rate :** Approximately 30 liters per minute (with supply pressure in specified range)
- Manual (divider ratio) output :** Outputs a pressure equal to the specified value x n/m (n=0 to m, m=1 to 20)
- Auto-step output :** Divider output is automatically generated in steps.
Interval time : 10 to 600 seconds in 5-second intervals
Repetitions : One to infinity (stopping partway through is also permitted)
- Sweep output :** The generated pressure is increased or decreased linearly over the interval time from 0% to 100% of the set pressure.
Interval time : 15 to 600 seconds in 5-second intervals
Repetitions : One to infinity (stopping partway through is also permitted)
- Output monitor :** Displays 0 to 100% of setting on 10-segment LED bar graph. A buzzer sound is output when the output value reaches the setting (100%) during auto-step or sweep output.
- Offset monitor :** Displays the deviation from the final value.
- Communication :** Select one of the following:
GP-IB interface : Electrical and mechanical specifications: Conform to IEEE Standard 488-1978
Functional specifications : SH1, AH1, T5, L4, SR1, RL1, PPO, DC1, DT1, CO
Serial(RS-232) interface : Transmission method: Start stop synchronization
Transfer rates : 1200, 2400, 4800, 9600 bits per second
- Warmup time :** Approximately 5 minutes
- Operating temperature and humidity ranges :**
5 to 40°C and 20 to 80% RH (no condensation)
- Maximum operating altitude :** 2000 meters
- Storage temperature range :** -20 to 60°C
- AC power ratings :** 100-120/200-240 V AC, 50/60 Hz
Power fluctuation tolerance range : 90-132 V AC/180-264 V AC
Frequency fluctuation tolerance range : 47-63 Hz
- Power consumption :** 40 VA Max. (100-200V) / 50 VA Max. (200-240V)
- Insulation resistance :** Minimum 100 MΩ at 500 V DC (across AC power and casing)
- Withstand voltage :** 1500 V AC, 50/60 Hz, for one minute (across AC power and casing)
- External dimensions and weight :** Approximately 132 × 213 × 400 mm (protrusions not included), approximately 9.5 kg
- Accessories :** Input adapter connectors (For φ4 × φ6 PVC tube, B9310RR), Two rubber pads for rear feet, one power cord, Fuse (A113EF), one instruction manual

*1: Ambient temperature 23±3°C. Pressure source using pressure reducing valver with a filter.

*2: The default pressure unit is kPa.

*3: Monitor output: The output status can be monitored based on the voltage output.

Model and suffix codes

Main unit

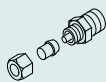
Model	Suffix code	Description
767401	—	Pneumatic Pressure Standard (25 kPa range model)
767402	—	Pneumatic Pressure Standard (200 kPa range model)
Pressure unit	-U1	kPa
	-U2	kPa, kgf/cm ² , mmH ₂ O, mmHg
	-U3	kPa, inH ₂ O, inHg, psi
Communication function	-C1	GP-IB interface
	-C2	RS-232 interface
I/O connection unit	-P1	Rc 1/4
	-P2	1/4 NPT female screw
Power cord	-D	UL/CSA standard
	-F	VDE standard
	-R	SAA standard
	-Q	BS standard

Accessories (sold separately)

Product	Model	Suffix code	Description
Connector assembly kit	B9310RR	—	For $\varnothing 4 \times \varnothing 6$ vinyl pipe
Quick connector assembly	B9310ZH	—	For $\varnothing 4 \times \varnothing 6$ vinyl pipe
Adapter connector	G9612BG	—	JIS, R1/4-Rc1/8
Adapter connector	G9612BJ	—	ANSI, R1/4-1/4 NPT female screw
Adapter connector	G9612BW	—	ANSI, R1/4-1/8 NPT female screw

Input adapter connectors (separately sold accessories)

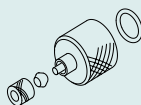
Connector assembly for Rc
B9310RR



Adapter (JIS)
G9612BG



Simple connector assembly
B9310ZH



Adapter (ANSI)
G9612BJ



Adapter (ANSI)
G9612BW



Contracted separately when required

Item	Code number	Count
Test certificate	DOC TC	—
Instruction manual	DOC IM	One additional
Approval drawing	3984 03	Up to 5

NOTICE

- * Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- * If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.

External dimensions

