

Information of the orifice flow meter

We have two kinds of orifice flow meter,

1. Integrated type contains orifice ring and transmitter are installed in the piping together and easy installation.
2. Separated type is that transmitter is wall mounted in different place with orifice ring when there is no space put together and less affect of vibration of the piping.

Specifications

Model	ODF Orifice flow meter
Application	Steam
Size	25A ~ 400A (*1)
Connection	JIS flanged, ANSI flanged, DIN flanged
Nominal pressure	2.0MPa (*2)
Operated fluid temp. (°C)	220 (*3)
Ambient Temp.	-10 ~ 50°C
Flow direction	Horizontal
Material	Flange : SS400, SUS304/SUS304L, SUS316/SUS316L
	Orifice : SS400, SUS304/SUS304L, SUS316/SUS316L
Rangeability	5:1 (*4)
Accuracy	±5% FS

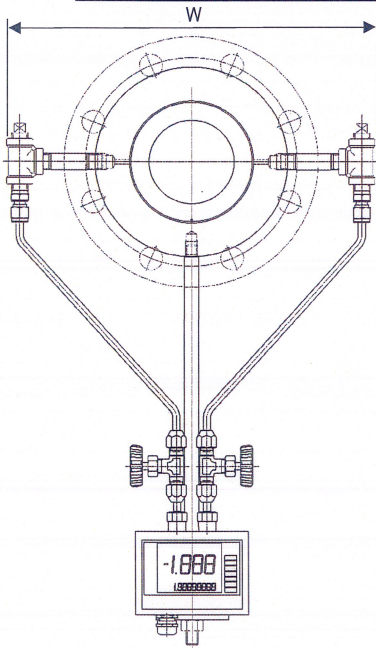
*1 Max. Pressure 13 MPa is available by changing the differential pressure gauge

*2 Operating fluid temp is -10~70°C on differential pressure gauge

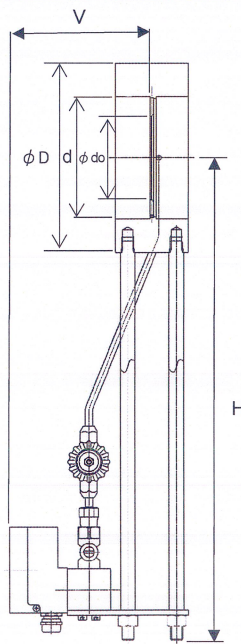
*3 450A or more is available

*4 Please ask us when you need the rangeability is more than 5:1

Dimensions of intergrated type



Front view



Side view

Bore size	do	d	D	V	W	H
25A JIS10K			74	118	220	362.0
32A JIS10K			84	118	230	367.0
40A JIS10K			89	118	235	369.5
50A JIS10K			104	118	250	377.0
65A JIS10K			124	118	270	387.0
80A JIS10K			134	118	280	392.0
100A JIS10K			159	118	305	404.5
125A JIS10K			190	118	336	420.0
150A JIS10K			220	118	366	435.0
200A JIS10K			270	118	416	460.0

Based on orifice calculation sheet

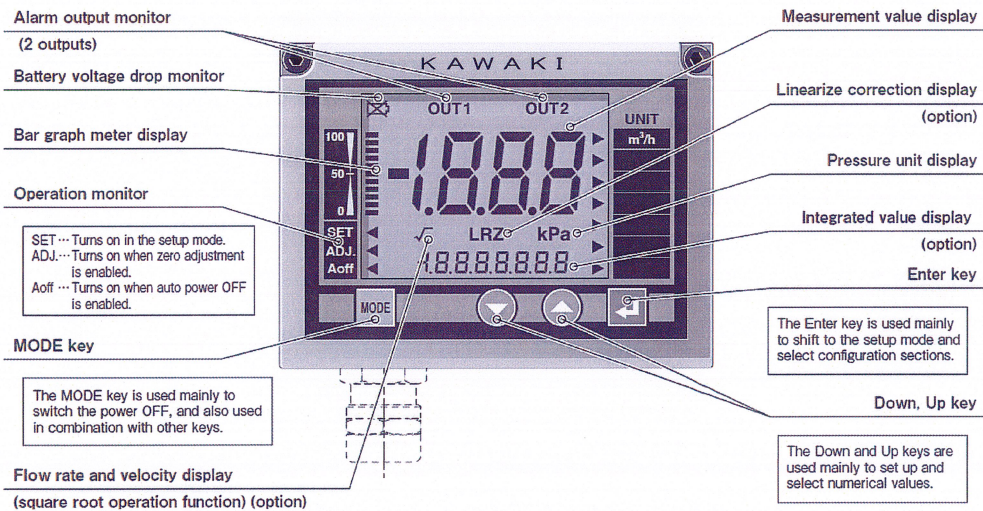
Features of the differential pressure gauge GC-50

- Small size, Lightweight, Compact
- Diverse application forms (Battery-operated, current output, alarm output)
- Silicon capacitance sensor. The mounted silicon capacitance sensor consists of a micro diaphragm and electrodes formed by micro machining. The diaphragm is protected from excessive pressure by upper and lower glass plates and sealed in liquid by means of SUS316L diaphragm, realizing a highly reliable structure even through its micro pressure range



Features of display and operation unit

With the square-root operation function and integrated display function, this product enables direct digital display of the flow rate and flow velocity using other flow rate and flow velocity sensors together. In addition, the scaling function enables free range applications within a specified range.



Features of each operating type

Battery-operated	<ul style="list-style-type: none"> • The use of dry battery makes installation easy without troublesome wiring. • Operates continuously in the measurement mode for about two years. • The power OFF and auto-power OFF functions minimize the power consumption of the batteries.
Current output (2 wires)	<ul style="list-style-type: none"> • The analog output scaling function allows analog output corresponding to desired display values. • The loop check function enables wiring check without applying differential pressure. • The zero-adjustment function allows one-touch display, zero point adjustment of output, as well as offset adjustment.
With alarm output (3wires)	<ul style="list-style-type: none"> • With the alarm output in the hysteresis mode, the upper and lower limits and the dead-band can be set up independently for each of the two outputs. • Alarm output operation display with variable analog output (4-20mADC). • The loop check function enables wiring check without applying differential pressure.

* As for the wiring, common specifications, options, specifications for each operating type, the function of each mode are referred to our operation manual.

KAWAKI MEASURING INSTRUMENT Co.,LTD.