Cat No Model NDG97 [.] 98 KN-4-14 Differential Pressure Gauges With Switch



Installation system : 2B Pipe installation, Surface mounting type

Size : NDG97 100DIA. NDG98 150 DIA.

Connection : Rc1/4(PT female), 1/4 NPT female

Wetted parts material :

BodyCF8MBellows316L st.st.GasketNBR

Differential pressure range : $0 \sim 5 \text{kPa} \rightarrow 0 \sim 1 \text{MPa}$

Base pressure : 5MPa

OUTLINE

This is a compact differential pressure gauge, to check the pressure difference (differential pressure) between two points. This pressure gauge can also be used for measuring liquid level and flow rate. Reed switches are installed the differetial pressure gauge used for measuring equipped with contactors, allowing use for warning and controlling.

FEATURES:

- Pressure piping can be connected to either upper side or lower side of this pressure gauge, making the piping work easier.
- Certified pressure gauges complying with the High Pressure gas control Law are also available. (option) (however, they cannot be applied to poisonous gas)
- * The base pressure refers to the pressure to be used as the basis out of pressure at two points, or a press with smaller fluctuation.

One-sided pressure tight means the maximum differential pressure.

Operating temperature Ambient : -20 ~ 60 ℃

One side pressure tight ; 0.2~1.2MPa (Depend on differential pressure range)

Indication accuracy : ±1.5%F.S (NDG97,98 Below 10kPa is ±2.0%F.S.)

Case material · finishing : NDG97, 98 AC7A Black

Dial scale specified : (Option) Printed words, colored circle, customer's logo

Case of Protection : IP65

Weight : Approx. 2.9 kg ~ Approx. 4.3 kg

Vlave-manifold : (Option)

Three-way valve manifold which combined the stop valve for high and low pressure and stop valve. This valve manifold is suitable for checking zero point or zero adjustment during operation and also available to prevent excess differential pressure or reversal differential pressrue. Type No. : FV43-991, FV43-993

NDG97 · 98 DIFFERENTIAL PRESSURE GAUGE WITH ELECTRIC CONTACT

Setting accuracy : $\pm 2.0\%$ F.S Repeatability 1% F.S. Dead bane : Fixed. within 5% F.S. Temperature coefficient : $\pm 0.05\%$ F.S./°C Switch : Reed switch Number of contact ; One contact or two contact Setting system : External adjustment type with setting lock Outlet for electric wire : Conduit type PF3/4", PF1/2", 1/2"PT, 1/2"NPT

Electrical characteristic :

Switch	Rating	Withstand voltage	Insulation resistance				
	125V AC 0.2A	Non-continuation Terminal interval	500V DC				
Reed	200V DC 0.25A	400V AC 1minute	Over 100M Ω				
switch	50V DC 1A	Between terminal and case	Between terminal and case				
	(Resistance load)	600V AC 1minute					
* The contact protective circuit is required especially when the inductive							
load or the other load with a flow of surge current is used as the load							
of the Reed switch.							
* 200V AC should not be used.							

TYPE OF CONTACT POINT AND WIRNING SYSTEM

Model	Type of contact point	Mark	A figer of operation system and operation	Connection ter- minal number	Setting pointer
NDG97 NDG98	Upper limit with one contact (Reverse lower limit type with one contact)	H (LR)	When the differential pressure rises (decreases) to a set Pressure up → value,contct point work to turn a circuit ON(OFF). 0 SET MAX	(1) - (2)	Red pointer
	Lower limit with one contact (Reverse lower limit type with one contact)	L (HR)	When the differential pressure rises (decreases) to a set ←Pressure doen value,contct point work to turn a circuit OFF(ON).	3 - 4	Yellow pointer
	Upper and lower limit type with tow contact (Reverse lower and upper limit type with two contact)	HL (HRLR)	This is the combination of the upper limit type(rever lower limit type)and the lower limit type(rever upper limit typ)and each works independently	() - (2) (3) - (4)	Red pointer Yellow pointer
	Upper limit with two contact (Reverse lower limit type with two contact)	erse lower limit type with (2) R) works independently		(1) - (2) (3) - (4)	Red pointer Yellow pointer
	Lower limit with two contact (Reverse lower limit type with two contact)	2L (2HR)	This is the combination of two lower limit type(rever upper limit type)and each works independently	(1) - (2) (3) - (4)	Red pointer Yellow pointer

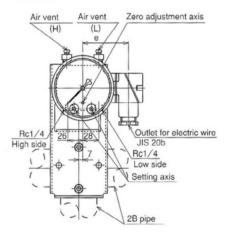
SPECIFICATION 2

Minimum graduation :

Differential pressure range	One side pressure tight	Minimum graduation
0 ~ 5 kPa		0.1 kPa
0~7		0.2
0 ~ 10	0.2MPa	0.2
0 ~ 15		0.5
0 ~ 20		0.5
0 ~ 30	0.4MPa	1
0 ~ 40		1
0 ~ 50		1
0 ~ 70		2
0 ~ 100		2
0 ~ 200		5
0 ~ 300	1.2MPa	10
0 ~ 400		10
0 ~ 600		20
0 ~ 1MPa		0.02MPa

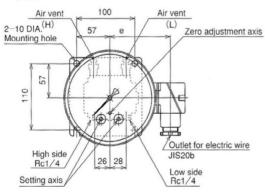
DIMENSION 1

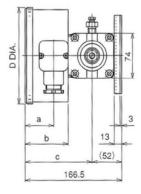
2B Pipe installation



VID a b c c (79)

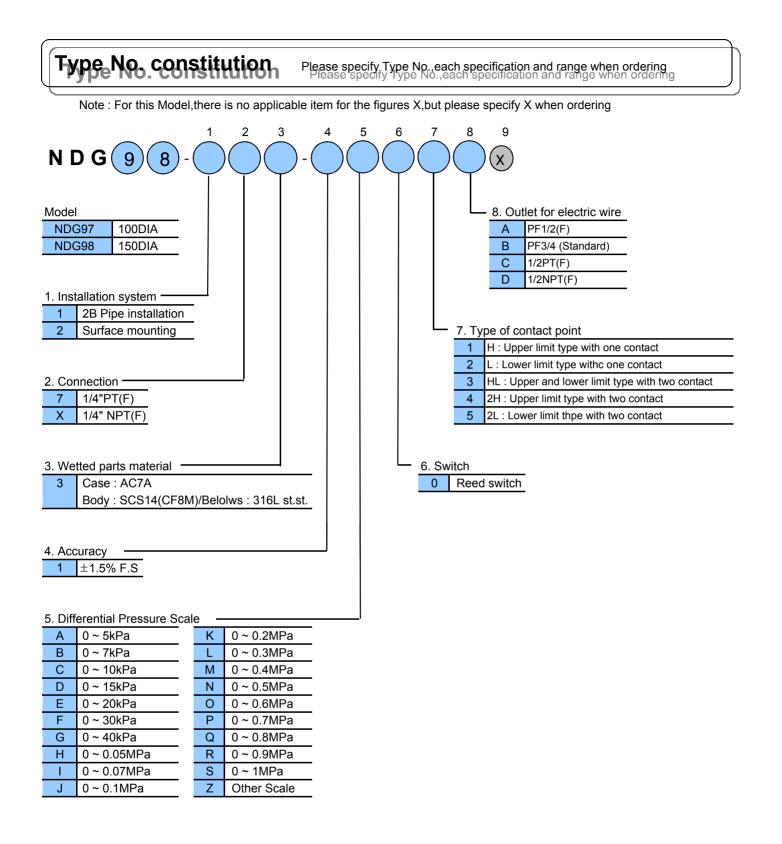
Wall mounting type





Model	D	е	а	b	С	
NDG97	109	80	46.5	71.5	112.5	
NDG98	159	104	49	74	115	
- 3/4 -						

(Unit : mm)



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