# KH33 Differential Pressure Transmitter with Indicator

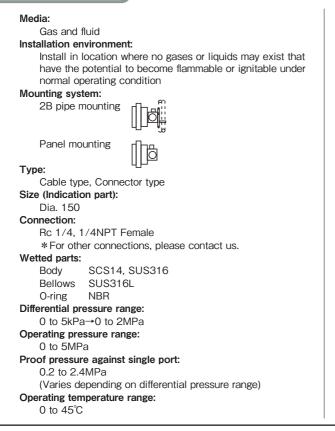
### Overview

This is a differential pressure transmitter with indicator that can detect differential pressure, liquid level, liquid flow etc., converting them into an electric signal and transmits it. Bellows is used for the pressure sensing element, and its displacement is detected as an inductance variation converting into an electric signal in proportion with measuring quantity. Indication unit varies over various kinds.

#### Features

- Pressure transmitting mechanism is built in a conventional differential pressure gauge. Replacement of existing differential pressure gauge is possible with identical appearance and installing dimension with enhanced features.
- •Because non-contact type detecting sensor is used, it provides a structure that minimizes errors due to wear and hysteresis.
- •Because the hybrid IC-compatible circuit is used, it can work with high reliability and high quality.
- •Available in selection of upper or lower pressure port process connection for suitable installation depending on installing environment.
- •The wetted part is stainless steel, providing excellent corrosion resistance.

## Specifications 1





Storage temperature range:			
0 to 60°C			
Power source:			
24V DC±10%			
Output:			
4 to 20mA DC			
Load resistance:			
400Ω max.			
Transmission system:			
2 wire system			
Output accuracy:			
±2.0%F.S.			
Indication accuracy:			
±1.5%F.S.			
Temperature coefficient:			
±0.1%F.S./℃			
Case material, finish:			
ADC12 · Black			
Enclosure:			
Drip-proof type (IP43)			
Valve manifold: (Option)			
Three-way valve manifold incorporating high pressure and			
low pressure stop valves and an equal pressure valve. It			
can be used to check the zero point during operation and to			
prevent excessive differential pressure and reverse			
differential pressure during zero adjustment at the beginning			
(Stop) of operation.			
Customized dial: (Option)			
Dual scale, conversion scale, Custom letters			
Weight:			
2B pipe mounting Approx. 4.6kg			
Panel mounting Approx. 3.8kg			

# **NAGANO KEIKI**

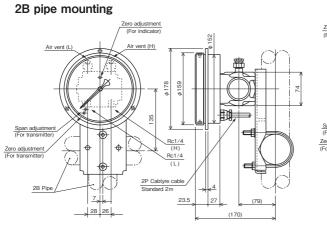
# Specifications2

Differential pressure range and proof pressure against single port:

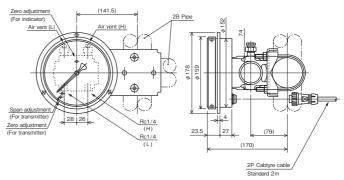
Differential pressure range	Proof pressure agaist single port	Differential pressure range	Proof pressure agaist single port
0 to 5kPa 0 to 7kPa 0 to 10kPa 0 to 15kPa 0 to 20kPa	0.2MPa	0 to 0.15MPa 0 to 0.2MPa 0 to 0.3MPa 0 to 0.4MPa 0 to 0.5MPa	1.2MPa
0 to 30kPa 0 to 40kPa 0 to 0.05MPa 0 to 0.07MPa 0 to 0.1MPa	0.4MPa	0 to 0.7MPa 0 to 1MPa 0 to 1.5MPa 0 to 2MPa	2.4MPa

## Dimensions

Unit: mm

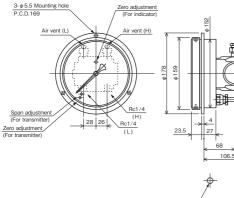




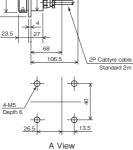


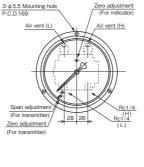
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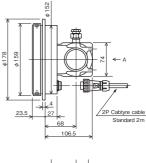
## Panel mounting



\_\_ KH33-271 \_\_



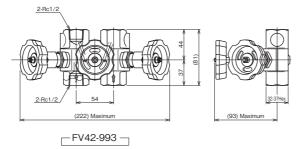




\_\_KH33-272 \_\_

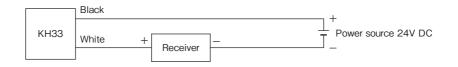


Valve manifold: (Option)



\* As for connection of differential pressure gauge, valve-manifold: FJ92-001 (2 pieces) is necessary.

## Wiring



Differential Pressure Transmitter with Indicator

