

The NT 3100R series of pressure transmitter, adjustable Zero and Span in the field are extremely versatile and suitable for measuring.

Moreover it uses high accuracy trusty with stainless steel diaphragm which is possible to measure 0~0.06 to 25kg/cm<sup>2</sup> and 0~1 to 1,000kg/cm<sup>2</sup>.

## FEATURES

- Easy to adjust Zero and Span
- Temperature compensated
- Excellent corrosion and steel diaphragm
- High accuracy and low temperature drift
- Shock and vibration resistants



## SPECIFICATIONS

- |   |  |
|---|--|
| ▶ <b>Media</b> : Gas, Oil, Water  | ▶ <b>Shock resistance</b> : ≤20G                 |
| ▶ <b>Measuring range</b> : 0~0.06 to 25kg/cm <sup>2</sup> , 0~1 to 1000kg/cm <sup>2</sup> | ▶ <b>Cutoff frequency(-3dB)</b> : 0...>5kHz      |
| ▶ <b>Over load</b> : 300% of max span   | ▶ <b>Temperature compensated</b> : 0~82°C        |
| ▶ <b>Electric specification character</b>   | ▶ <b>Operating temperature range</b> : -40~125°C |
| Power : DC 18~26V, Ripple≤500mV p- p  | ▶ <b>Material of construction isolating</b>      |
| Output : DC 4.00~20.00mA  | Diaphragm : SUS316L                              |
| Load resistance : 500Ω at DC 24V  | Wetted plug : SUS316                             |
| ▶ <b>Accuracy</b> : ±0.2% FSO   | Gasket O-ring : Viton                            |
| Linearity : 0.100% FSS  | Case(Head) : AL die-casting                      |
| Repeatability : 0.015% FSS  | ▶ <b>Process connection</b> : PT3/8"(STD)        |
| Hysteresis : 0.010% FSS   | PT1/4"   |
| Thermal sensitivity shift : 0.500% FSS  | PT1/2"   |
| Thermal zero shift : 0.500% FSS   | ▶ <b>Weight</b> : About 270g                     |

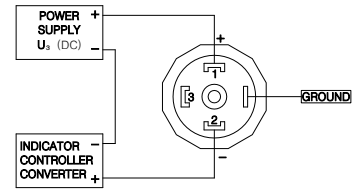
**ORDERING CODE**

NT 3100R				Description
Type	G			Gauge pressure
	S			Sealed gauge pressure
	A			Absolute pressure
Range	01			0~0.2kgf/cm <sup>2</sup>
	02			0~0.5kgf/cm <sup>2</sup>
	03			0~1kgf/cm <sup>2</sup>
	04			0~2kgf/cm <sup>2</sup>
	05			0~5kgf/cm <sup>2</sup>
	06			0~10kgf/cm <sup>2</sup>
	07			0~20kgf/cm <sup>2</sup>
	08			0~35kgf/cm <sup>2</sup>
	09			0~50kgf/cm <sup>2</sup>
	10			0~100kgf/cm <sup>2</sup>
	11			0~200kgf/cm <sup>2</sup>
	12			0~300kgf/cm <sup>2</sup>
	13			0~500kgf/cm <sup>2</sup>
	21			-76cmHg~0kgf/cm <sup>2</sup>
	22			-76cmHg~1kgf/cm <sup>2</sup>
	23			-76cmHg~2kgf/cm <sup>2</sup>
	24			-76cmHg~5kgf/cm <sup>2</sup>
	25			-76cmHg~10kgf/cm <sup>2</sup>
	26			-76cmHg~20kgf/cm <sup>2</sup>
	ZZ			Etc
Connection	A			PT3/8"(STD)
	B			PT1/4"
	C			PT1/2"
	0			Head type
	1			Connector type
	2			Lead wire
	3			Adapter PF3/8"

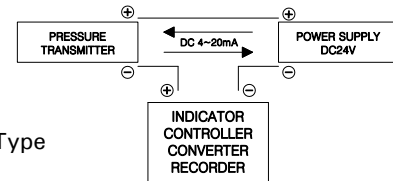
**TERMINAL DIAGRAM**

▷ 2Wire

\* DIN.Con Type

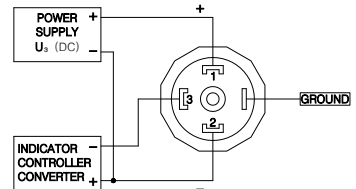


\* Standard Type

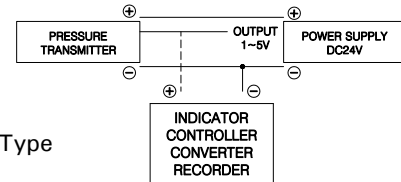


▷ 3Wire

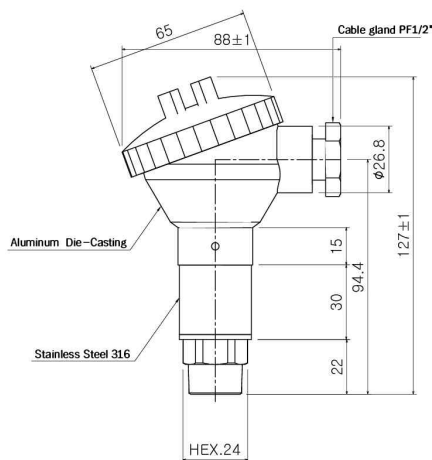
\* DIN.Con Type



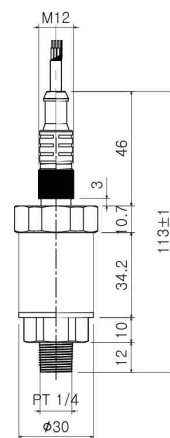
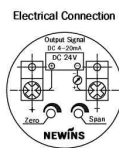
\* Standard Type



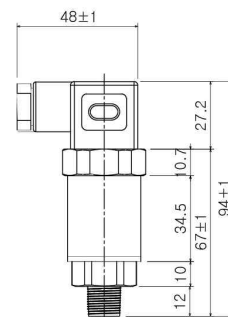
**DIMENSION & PANEL CUT**



[ Head Type ]



[ Cable Type ]



[ Connector Type ]