

# High-accuracy with long term stability pressure transmitter NS115 series

2023/03/22

## Features



- Excellent in the long term stability.
- Accuracy 0.1%R.O. is available (including non-linearity, hysteresis and repeatability)
- Small size and light weight, the Cable horizontal putting out type is possible.
- Excellent in solidity and a surge pressure
- Attached zero point adjustment

### \* Application

Automatic transmission testing equipment, Solenoid valve testing device, Fuel cell evaluation device

## Specification

Specification name	Specification contents
Rated capacity	5 MPa ~ 50 MPa
Safe overload	200 %R.C.
Ultimate overload	300 %R.C.
Accuracy	0.5 %R.O. (including non-linearity, hysteresis and repeatability)
Rated output (Current)	4 mA ~ 20 mA (2 wires method, Load resistance 500 Ω or less, at 24 V)
Rated output (Voltage)	0 V ~ 5 V, 0 V ~ 10 V (Load resistance 5 kΩ or more)
Zero adjustment range	±1 %

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Power supply voltage	24 VDC (18 VDC ~ 28VDC)
Power consumption	Approx. 30 mA
Insulation resistance	1 000 MΩ or more (50 VDC)
Temp. range, compensated	-20 °C ~ 70 °C
Temp. range, safe	-30 °C ~ 80 °C
Temp. effect on zero	±0.5 %R.O./10 °C
Temp. effect on output	±0.5 %LOAD/10°C
O-ring seal	NBR (Selectable by the medium.)
Class of protection	IP67 or equivalent
Material of pressure hole	SUS304L
Material of cover	Aluminium
Material of pressure diaphragm	Single crystal sapphire
Mounting screw	1/8 · 1/4 · 3/8G{PF}, {PT}
Tightening torque	20 N·m ~ 40 N·m

## Table of P/N

Parts No.	Rated capacity [Mpa]	Weight(Approx.) [g]	CAD files[DXF]
NS115-5MP*-***2	5	200	<a href="#">ns115.dxf</a>
NS115-10MP*-***2	10	200	<a href="#">ns115.dxf</a>
NS115-20MP*-***2	20	200	<a href="#">ns115.dxf</a>
NS115-25MP*-***2	25	200	<a href="#">ns115.dxf</a>
NS115-30MP*-***2	30	200	<a href="#">ns115.dxf</a>
NS115-35MP*-***2	35	200	<a href="#">ns115.dxf</a>
NS115-50MP*- ***2	50	200	<a href="#">ns115.dxf</a>