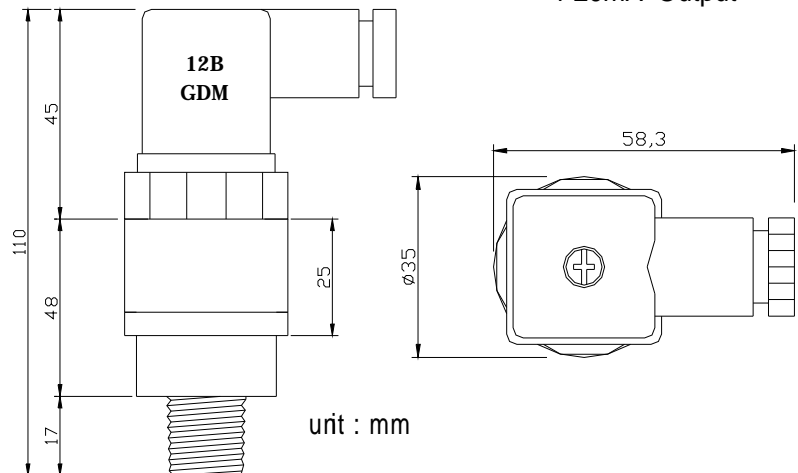


SXT Series

Pressure Transmitter 4-20mA Output



GENERAL

SXT Series pressure transmitters are measures pressure of liquid or non corrosive gases, and for the variously choice of ranges available to suit your needs precisely.

The SXT Widely used to Industrial automation, Hydraulic control, Process control, Oceanography, Plant utilities, Liquid level, Water measurement, and many other applications.

The SXT Series has 4-20 mA current out or 1~5V voltage out put.

Accuracy is +/-0.25% of full scale.

SXT Series has built in trimmer to set zero and span. When you need to adjust zero(4mA) and span(20mA), you have to release din connector from SXT body. And you can find out two trimmer on the internal pcb.

Turn the trimmer carefully after connect current meter within the current loop.

(refer to below FIG1)



FIG.1

SPECIFICATIONS

GENERAL

Maximum Pressure:	Rated Range x 2
Media Compatibility:	Clean, non-corrosive Liquids or gases for sus316
Pressure Range:	0 ~ 35 kg/cm ² (0 ~ 500 PSI) (option 0 ~ 350 kg/cm ²)

ELECTRICAL

Power Supply:	Ext. 24VDC 2 wire
Connections:	4 Leads Din connector include frame ground
Loop Resistance:	0-1100 ohms(Max 35V DC)
Reverse Polarity Protection:	Yes
Warm up Time:	20 minutes

PERFORMANCE AT 23

Zero Output:	4 mA(Vout 1 V)
Full Span Output:	20 mA(Vout 5 V)
Accuracy:	±0.25% FSO(Includes Linearity, Hysteresis & Repeatability)
Operating Temperature:	-10 to 70

MECHANICAL

Pressure Connections:	PT3/8" , 1/2" , 1/4" male
Materials(body)	stainless 316
(diaphragm)	stainless 316

STANDARD ACCESSORIES

SXT Series

Installation

LOCATION : Select your site location , Clean and dry, no shock and vibration, proper to the ambient temperature and humidity in use.

MOUNTING

The SXT Series Pressure Transmitter is designed for direct mounting on pipe or other locations. You need prepare PT 1/4"(3/8",1/2") female nut on pipe or mounting locations.

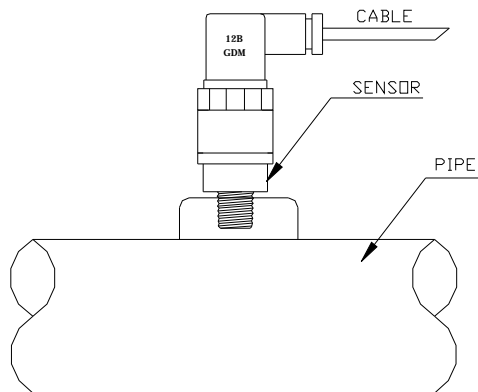
CAUTION 1

You have to grab sensor housing by use spanner to mounting SXT . Do not hold SXT body and rotation for mount and release.

CAUTION 2

Do not supply shock pressure to pressure port

FIG.2



Wiring

1. Before connection, the user must first confirm that the power specification is DC24V.
2. Verify that the facility's main power source is turned off or disconnected.
3. Connect Ext. lead cable to power terminal matching polarity as shown in FIG.4 below. Take care that wrong wiring will damage the Instrument and malfunction.

CAUTION 3

Do not run the Ext. cable along with any high voltage or power cable or put them in the same race way. It may cause malfunction due to induction.

4. Receiver Resister calculation

Refer to below table

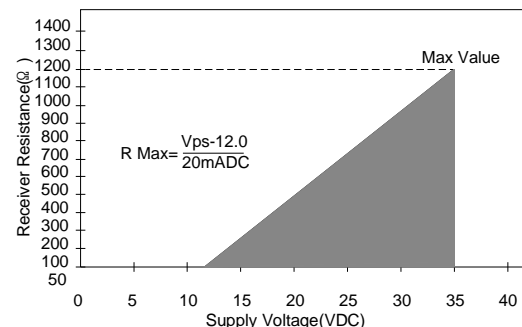


FIG.3

FIG.4 Power & Signal line Connection

