OMEGA®

PX119 Series

Pressure Transmitter

INSTRUCTION SHEET

M5624/0117

General Instructions:

Please check the model designation of the pressure transmitter to ensure it is being used within its designed range. While the transmitter is capable of withstanding shock and vibration, it is recommended to mount it in a vibration free location if possible. Gage model units of 1000 psi (69 bar) range and below are vented to atmosphere through the electrical termination. As such the electrical termination should be in an area exposed to the atmospheric pressure (thus it is suggested a cable with venting capability be used). Please read all instructions prior to installation.

Mechanical Installation:

Install seals or apply thread sealants to the process connection as required. Install the unit using a 24mm wrench or deep socket and tighten to the required torque for the application, never use a pipe wrench for tightening the transmitter as this could affect the calibration. A recommended torque value is shown in Table 1. The required installation torque will vary depending on the material and type of seal and/or sealant used. In any case do not exceed the values shown as this may cause a calibration error.

Table 1. Installation Torque

Process Connection	Installation Torque	Notes
1/4 NPT male	2 - 3 T.F.F.T*	Sealant Required

Note: ** T.F.F.T Turns from finger tight.*

Electrical Installation

The transmitter should be wired in accordance with the information in tables 2a and 2b. It is recommended to use a shielded cable whenever possible and to ground the drain wire at the input side.

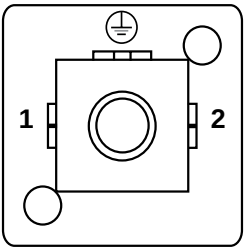

Table 2a. Electrical 4 to 20 mA Pin Out

Connector	Pin 1	Pin 2
mini-DIN (DIN 43650C)	Supply +	Supply -

** Do not connect Pin 3 on mini DIN mating connector.*

Table 2b. Electrical Supply Voltage

Electrical Ouput	Supply Voltage	Notes
4 - 20 mA (2 wire)	8 - 32 Vdc	Vmin = 8V + (0.02 x R Loop)