



PSM INSTRUMENTATION LTD

Elite & Integra

PSM Series 570 & 575 Pressure Transmitters

User Manual

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Introduction

The PSM Series 570 & 575 are a range of 2 wire 4 to 20mA pressure transmitters employing a 4 active arm strain gauge bridge sensor fused to a high purity ceramic diaphragm

Application

In practice PSM do not have control over the way these instruments are handled, installed or used, and therefore cannot guarantee that an instrument is suitable or compatible with the user's specific application. If there is doubt as to the equipment's suitability please consult PSM or their appointed Agent

Installation and Use

Use only qualified personnel who are familiar with pressure equipment and observe the following guidelines: (please also refer to sales data sheet)

DO NOT:

- ◆ Push any object into the pressure port as permanent damage to the instrument may occur.
- ◆ Exceed the pressure rating of the instrument.
- ◆ Exceed the temperature rating of the instrument.
- ◆ Exceed the rated electrical excitation of the instrument.
- ◆ Remove the instrument without first isolating from the process and it's operating conditions.
- ◆ Use the instrument as a step (foothold) or mount it in any location where it may be used as a step (foothold).
- ◆ Install the instrument in environmental conditions that exceed the Ingress Protection (IP) or temperature rating of the instrument.
- ◆ Allow fluids to freeze in the pressure port.

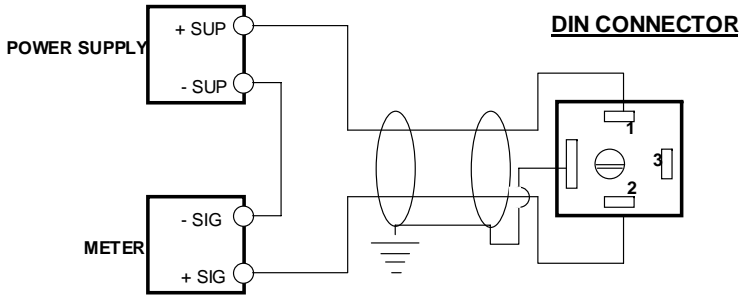
DO:

- ◆ Ensure that appropriate fittings, seals and tools are used for the installation of the instrument.
- ◆ Ensure that any valve used to isolate the instrument does not cause a volume displacement into the instrument when selecting 'instrument isolate' mode. Note: In isolated mode where pressure is "locked in" the instrument may be damaged if subjected to wide changes of ambient temperature.
- ◆ Ensure process media and environment is compatible with wetted parts and materials of construction.
- ◆ Periodically inspect the instrument for internal and external corrosion, as corrosion may be an indication of misapplication.
- ◆ Make electrical connections as shown on calibration certificate.

Instruments are supplied factory calibrated to the customer specified measurement range and no adjustment is required or possible.

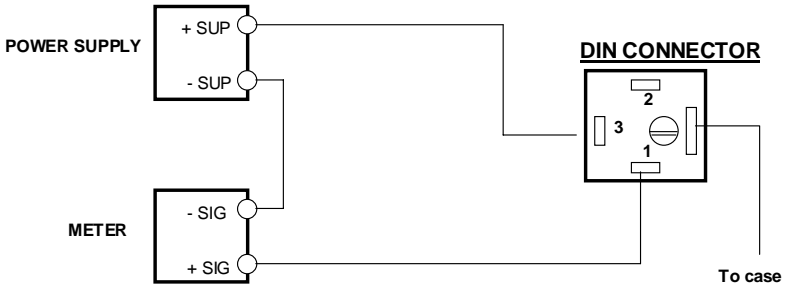
The exception is where a model 575 transmitter has been supplied with the DIN43650 plug, and adjustable calibration. In this case removing both the DIN cap and connector will provide access to the zero and span adjustment potentiometers where limited adjustments (trimming) can be made.

PSM WEEE Producer Registration No WEE/HC0106WW



Elite Series 570 Connection Details

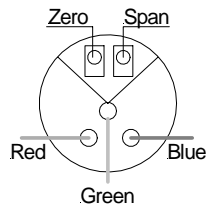
- Pin 1: +ve
- Pin 2: - ve
- Flat Pin: To case



Integra Series 575 Connection Details

- Pin 1: -ve
- Pin 3: +ve
- Flat Pin: To case

Integra 575 Potentiometer Adjustment



Guarantee

PSM guarantees its products to be free from defects in material and workmanship for a period of one year after the date of despatch or as otherwise agreed in writing. This warranty shall not apply if the product has been disassembled, tampered with, repaired, modified outside of the factory or subject to misuse, neglect or accident. Please refer to PSM terms and conditions of sale.

Repairs

The instrument contains no user serviceable parts and cannot be repaired in the field. We offer a 'repair by replacement' service where possible. This has been adopted in order to speed up our response to your needs.

Should you wish to return an instrument for any reason should first contact the Sales Department, who will take the details and in most cases can immediately arrange for the production of a suitable exchange unit. Contact may be by Telephone, fax or email. At which time we will require the serial number and model code of the faulty unit, and a Purchase Order number must be advised.

Note: For reasons of health and safety any instrument received in our Service dept. that is not fully decontaminated will be returned or quarantined unless a statement and/or a material safety data sheet is provided informing us of the nature of the contamination. We reserve the right to return any instrument that it considers to be unsafe to handle.

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