ABB Instrumentation

600T EN Series Pressure Transmitters
Model 621ED Differential (MWP 14 MPa)
Model 621EE Differential (MWP 25 MPa)
Model 621EH Differential (high vacuum)
Model 621EG Gauge
Model 621EA Absolute

MOUNTING DIMENSIONS

- Transmitter on bracket for vertical or horizontal 60 mm (2 in) pipe mounting (Barrel housing)

NOTE: Process connection, gasket groove and gaskets are in accordance with DIN 19213. Bolting threads for fixing adapter or other devices (i.e. manifold etc.) on process flange is 7/16"-20 UNF.

(*) FOR MODEL 621ED, EE, EH
51 (2.01), 54 (2.13) or 57 (2.24) mm (in) according to 1/2"-14 NPT adapters fitting
54 (2.13) mm (in) on 1/4"-18 NPT process flange

FOR MODEL 621EG
54 (2.13) mm (in) with low pressure side flange without process connection and drain/vent valve.
- Transmitter on bracket for vertical or horizontal 60 mm (2in) pipe mounting (DIN housing)

- Transmitter on bracket for vertical or horizontal 60 mm (2in) pipe mounting

- Transmitter on bracket for wall mounting (by four M8 screws)
**ELECTRICAL CONNECTIONS**

- **HART Version**

- **FIELDBUS Versions**

HART hand-held communicator may be connected at any wiring termination point in the loop, providing the minimum resistance is 250 ohm. If this is less than 250 ohm, additional resistance should be added to allow communications.

**Electrical connection:** two 1/2 NPT or M20x1.5 or PG 13.5 or 1/2 GK threaded conduit entries, direct on housing; straight or angle Harting HAN connector and one plug, on request.

**Terminal block**
- HART version: three terminals for signal/remote indicator wiring up to 2.5 mm² (14 AWG) and three connection points for test and communication purposes.
- Fieldbus versions: two terminals for signal wiring (bus connection) up to 2.5 mm² (14 AWG).

**Grounding:** internal and external 6 mm² (10 AWG) ground termination points are provided.