MOUNTING DIMENSIONS

- 621ES transmitter with welded flanges on bracket for vertical or horizontal 60 mm (2in) pipe mounting (barrel housing)

Certified drawing

600T EN Series Pressure Transmitters
Model 621ES
differential/gauge/absolute
with remote seal

Dimensions of positive and negative side can be inverted according to high and low pressure side code selections. Selecting one side with blind flange (for gauge) or vacuum reference, consider one capillary only to remote seal.

NOTE: For 621ES side with 1/2"-14 NPT threaded process flange connection, gasket groove and gaskets are in accordance with DIN 19213; removing adapter the flange provides a direct 1/4"-18 NPT thread. Bolting threads for fixing adapter or other devices (i.e. manifold etc.) on process flange is 7/16"-20 UNF.

ABB Instrumentation
- 621ES transmitter with welded flanges on bracket for vertical or horizontal 60 mm (2in) pipe mounting (DIN housing)

- 621ES transmitter with welded flanges on bracket for wall mounting (by four M8 screws)
- 621ES transmitter with welded flanges on flat type (for box) bracket for vertical or horizontal 60 mm (2in) pipe mounting

**ELECTRICAL CONNECTIONS**

- **HART Version**
  - Internal ground termination point
  - Remote indicator
  - External ground termination point
  - Test points 4-20 mA
  - Hand-held communicator
  - Receiver

  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.

- **FIELDBUS Versions**
  - Internal ground termination point
  - External ground termination point
  - Fieldbus line

**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.