

TECHNICAL BULLETIN #1: DCT TEST BLOCK (part 22172-0001)

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A clear acrylic DCT Test Block is now included with each DCT7088 flowmeter. The Test Block is used to simulate a full pipe under zero flow conditions. This feature is useful for verifying that the transducers and flowmeter are working properly. **The Test Block is not to be used for performing a calibration of the flowmeter.**

To use the DCT Test Block:

1. Place a layer of sonic coupling compound in the slots on the Test Block (Figure 1).
2. Place the transducers firmly into the grooves on the test block as if it were a pipe.



Ensure that there is a snug fit between the slots on the Test Block and the ridges on the transducers. All air should be squeezed out from the coupling compound beneath the Test Block.

3. Connect the transducer cables to the transducers.
4. Enter the following parameters (M = MENU):
 - **M10:** Pipe OD = 1.5 in. (38.1 mm)
 - **M11:** Wall Thickness = 0.01 in (0.254 mm)
 - **M13:** Pipe Material = Any
 - **M16:** Liner Material = None
 - **M20:** Fluid Type = Water
 - **M24:** Mounting Method = V
 - **M30:** Flow Units = Gallons
 - **M30:** Flow Units Per = Min
 - **M34:** Low Flow Cutoff = 1 GPM
 - **M35:** Low Signal Cutoff = 10%
5. Access **Menu 04**. The flowmeter should have a **signal strength of >90%**.

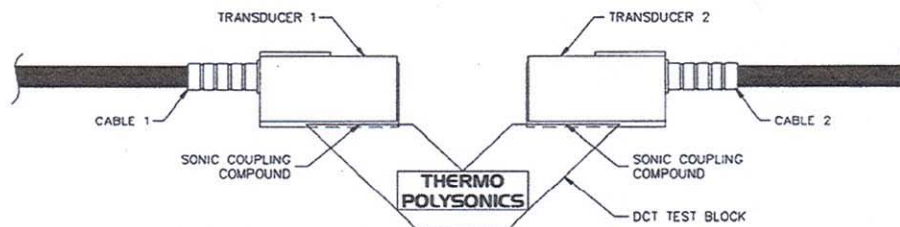


Figure 1: DCT Test Block