

Portable Altimeter Test Set

ASI-175

OEM Equivalent:

OEM: Bendix
Model Number: AMT-51A
Part Number: 2037028-5103
Manual: I.B. 1151T
Manual Figure: 1

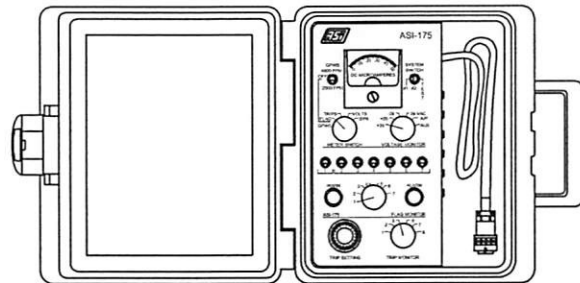
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-175 Portable Altimeter Test Set facilitates rapid testing for various functions of the Bendix ALA-51A altimeter. The Test Set is portable and may be used on the bench or in the aircraft.

The ASI-175 connects to the test plug on the front of the altimeter and quickly evaluates performance of the altimeter by monitoring and interpreting the outputs of various test points. The ASI-175 measures major power supply voltages and overall monitor performance by fault simulation. The Test Set also provides a swept altitude signal to check the operation of the altitude trips, it can initiate the test function, and provides the capability for checking the operation of the ground proximity warning system.

The Test Set is compact, lightweight, and enclosed in a sturdy plastic case. All power required to run the ASI-175 is supplied from the uut.



Units Tested:

ALA-51A

Specifications:

Height: 8.00" Width: 8.50" Depth: 4.00"
Power Requirements: From UUT

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-17-5A	2034175-0002	Test Procedure Placard

Optional Equipment:

ASI MN	OEM PN	Description
ASI-199	2037120-0501	Radio Altimeter Test Panel (ALT-51A)

Portable Altimeter Test Set

ASI-175-2

OEM Equivalent:

OEM: Bendix
Model Number: AMT-52A
Part Number: 2041595-5201
Manual: I.B. 1152BT / 34-42-01
Manual Figure: 1

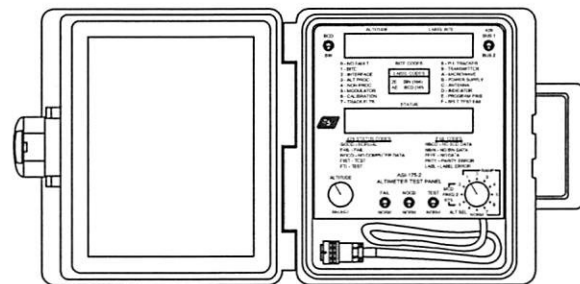
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-175-2 Altimeter Test Set facilitates the rapid testing of the various functions of the Bendix ALA-52A Radio Altimeter. The Test Set is portable and may be used either on the test bench or inside the aircraft.

The ASI-175-2 is capable of injecting simulated altitude frequencies into three altimeters simultaneously. The modulating frequencies (145, 150, and 155 Hz) of the three altimeters can then be checked individually. The ASI-175-2 is also capable of simulating various rates of aircraft descent.

The ASI-175-2 receives the ARINC 429 altitude words from the altimeter under test and displays decoded altitude, along with the 429 word label and status. The Test Set can be set to read and decode either the binary or BCD 429 word from the altimeter. A functional self-test of the altimeter can be initiated at the test set. Built-in test equipment (BITE) results are displayed on the front panel annunciator.



Units Tested:

ALA-52A

Specifications:

Height: 8.00" Width: 8.50" Depth: 4.00"
Power Requirements: From UUT

Equipment Supplied:

ASI MN	OEM PN	Description
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Optional Equipment:

ASI MN	OEM PN	Description
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