

# BARFIELD

## 2656G ALTITUDE ENCODER TEST SET

### GENERAL INFORMATION

The Barfield 2656G tests the binary coded output of the altimeter digitizers supplying the ICAO code in accordance with TSO C88. The 2656G accepts the encoded output from the altimeter through an adapter cable to an aircraft type receptacle on the test set panel. Integrated circuitry within the test set converts the altimeter digitized output into direct altitude readout in hundreds (100's) of feet. This readout is displayed on bright 0.3" numeral size LED's. Binary readouts are displayed on 10 discrete LED's and are arranged in columns for ease of code conversion.

For testing the altimeter using aircraft power, circuitry is provided through an in-line adapter cable adapting aircraft power to the input power of the 2656G. For bench testing, appropriate power is inserted through panel jacks on the test set. The tester provides reverse-polarity protection for the altimeter and test set when connected to DC inputs. Rectification and filtering is provided for operating the test set when 26 VAC is used as input power.

A test button is provided to test all display readout segments and binary LED's.

Altimeters of different manufacturers, and different series of a given manufacturer, have different connectors, wiring, and interface circuitry. Adapter cables manufactured by Barfield have the required switching and connectors to interface the 2656G to the dedicated encoding altimeter.



### FEATURES

- -1,200 to +62,700 ft. range
- Displays encoder output on aircraft or on the bench
- For use on 14 or 28 VDC and 26 VAC powered altimeters
- Operates from aircraft or externally supplied power
- Display blanks for non-logic codes
- Bright digital and binary code display
- Adapter cables available for most commonly used altimeters
- Low power consumption

### DIMENSIONS

	In.	cm.
Height	8	20.3
Width	6	15.2
Depth	5	12.7

	lbs.	kg
Weight	2.75	1.2

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## 2656 ALTITUDE ENCODER ADAPTER CABLES

<u>ALTIMETER</u>	<u>MFG P/N</u>	<u>BARFIELD ADAPTER CABLE P/N</u>
AERO-MECH	AR800, 8040B, 8140B, 8142B	2656F-8
AEROSONIC	101420-(), 101435-() 101450-(), 101617-() 101627-(), 101635-() 102200-()	2656F-1
ARC (14 VDC)	EA-401A-42540-2114, -2214 -3114, -3214	2656F-17
ARC (28 VDC)	EA-401A-42540-2128, -2228 -3128, -3228	2656F-17
BENDIX	3252013-() MAC 117, MAC 118	2656F-3 2656F-14
EDO-AIRE	14306-001	2656F-9
IDC	518-16007-60 Series 160 and 760 Series 518-28007-200 Series 518-16007-311 Thru 314 -331 Thru 338 -B212, -B218 518-16007-B40 519-22702-() 570-24929-() 570-24929 571-25005-() 14 VDC 571-25005-() 28 VDC	2656F-12 2656F-19 2656F-6 2656F-11 2656F-13 2656F-5 2656F-16 2656F-15
KOLLSMAN	AAU-32/A-() (Military) B45451-10-001, -002, -101 B45501-10-002, -102 B45521-10-001, -101 B45531-10-001, -101 B45152-10-002 thru -007 E42459-10-()	2656F-18 2656F-7 2656F-18 2656F-2
LEAR-SIEGLER	B0090-81101 thru 81104 -81106 thru 81110 -81112 thru 81116 -82113 thru 82114 314200-()-01 -4440A Series	2656F-4 2656F-10
THOMMEN	3A55	2656F-1
UNITED INSTRUMENTS	5035-PXX	2656F-27