

# 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

### Contact Information

Barfield, Inc.

4101 NW 29th Street

Miami, FL 33142

Tel: 305-871-3900

Fax: 305-876-1680

[www.barfieldinc.com](http://www.barfieldinc.com)

Copyright © Barfield, Inc.

Call Barfield Regarding Export Restrictions

## Altitude Encoder Adapter Cables

**BARFIELD**

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

Contact Information**Barfield, Inc.**

4101 NW 29th Street

Miami, FL 33142

Tel: 305-871-3900

Fax: 305-876-1680

[www.barfieldinc.com](http://www.barfieldinc.com)