

**BRIAN**

**INSTRUMENTS**

---

**SINGLE/DUAL CHANNEL ANALOG ATTACHMENT**

**INSTALLATION INSTRUCTIONS**

**1 MARCH 1992**

626 S. State College Boulevard, Fullerton, California 92631  
(714) 992-5540 • Telex 62823479 • Fax (714) 992-5553

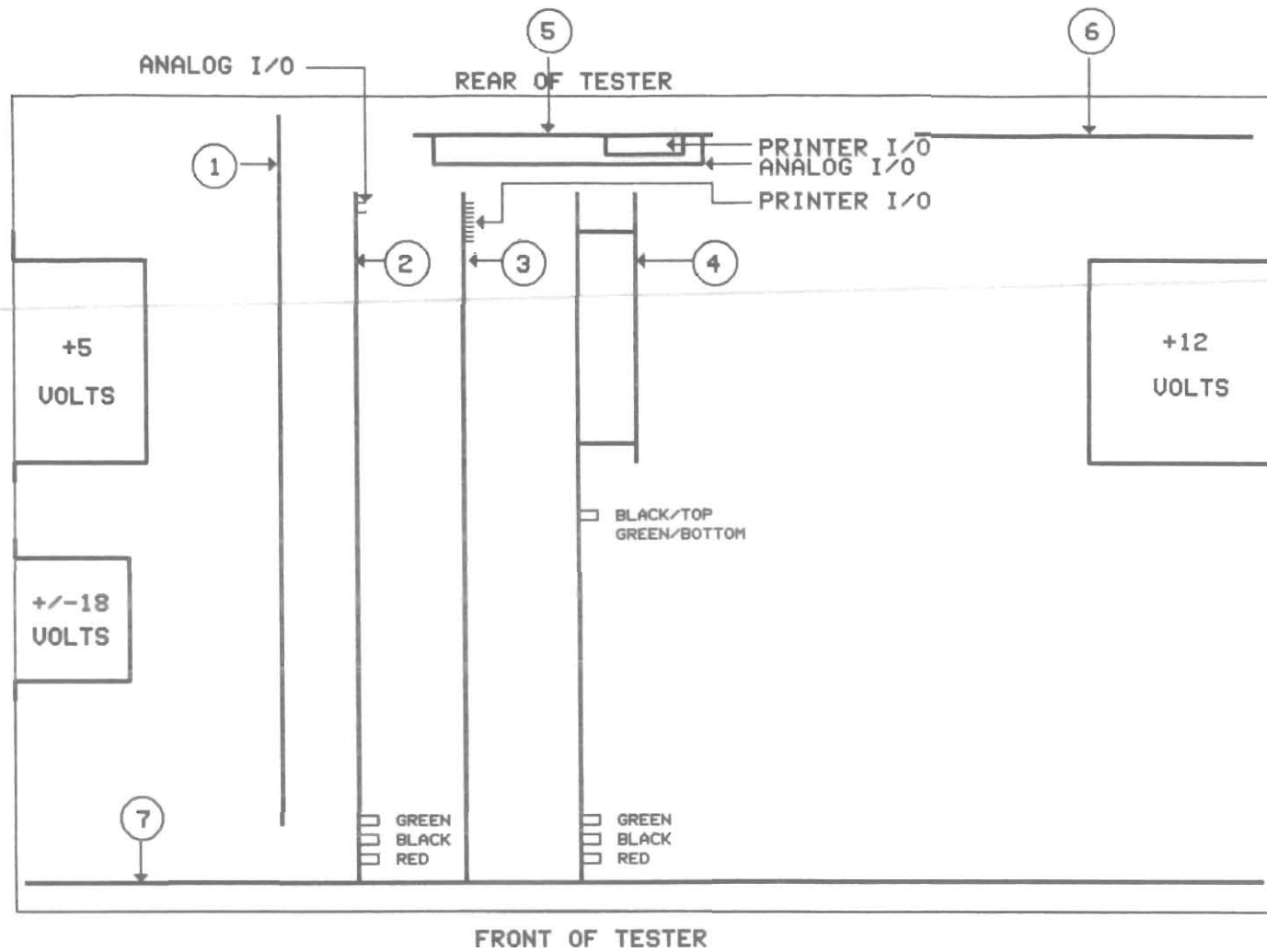
# INTRODUCTION

The **ANALOG ATTACHMENT** is comprised of a **BUSS INTERFACE** Board that is inside the Tester and is used to translate digital samples of the analog information for the Tester microprocessor to calculate. An **ANALOG POD** is supplied, which is external to the Tester and receives the analog and control signals necessary to properly perform the analog measurements provided with this option (see **FIGURE 1**).

## INSTALLATION

1. Assure that main power to the Tester is **OFF**.
2. Remove the four philips screws (2 on each side) that attach the Front Bezel to the Tester. Slide the bezel forward for removal.
3. Remove the top cover by lifting *Up* at the *Front* of the unit until it clears the Front Panel. Slide *Forward* to remove.
4. Remove the **READ CONTROLLER/POS** Board set. It is not necessary to remove any of the power wiring from the Board. Lay the Board outside the Front of the Tester.
5. Disconnect the 20 Pin Printer I/O cable from the **Z-80** Board (rear of the Board).
6. Remove the **Z-80** Board from the Tester. ~~Install any firmware provided with this Kit.~~
7. Install the 40 Pin Interconnect ribbon to the **ANALOG/PRINT I/O** Board located at the rear of the Tester. The *Red* stripe of the cable is toward the *Right* and the orientation of the cable is *Up*, causing the other end of the cable to point to the *Left* and the fold of the cable to face *Forward*.
8. ~~The Tester comes equipped with an extra twisted triplet wire set that are tie wrapped together. Remove the tie wrap. These wires are used to power the **BUSS INTERFACE**.~~
9. *POWER MAY REMAIN CONNECTED TO Z80 BOARD OR BE TRANSFERED TO BUSS INTER-*  
Connect the triplet wires (from Step 8) to the **BUSS INTERFACE** Board. *Red* (-18 V) is toward the *Front*, *Black* (Ground) in the *Middle* and *Green* (+18 V) toward the *Rear*.  
*FACE BOARD. POWER IS BUSSED THROUGH FRONT PANEL.*
10. Install the **BUSS INTERFACE** at the left most Front Panel connector. Components face toward the *Right*. Be sure that the connector pins are properly aligned into the connector.
11. Connect the 40 Pin interconnect cable to the **BUSS INTERFACE**. *Pin 1* (Red stripe) is on *Top*. Assure that the Pins are properly aligned.
12. Install the **Z-80** Board in it's original location.
13. Install the **READ CONTROLLER/POS** in it's original location.
14. Connect the **ANALOG RECEIVER** to the 40 Pin connector outside the *Rear* of the Tester.
15. Perform Steps 2 and 3 in reverse order to install the Top Cover and Bezel.
16. Refer to the **OPTION R** Manual for detailed operation and use.

TESTER INSIDE LAYOUT  
BRIKON/QUICKLIGN



- ① POWER SUPPLY
- ② ANALOG BUSS CONTROLLER
- ③ Z-80 BOARD
- ④ READ CONTROL/P-ONE SHOT

- ⑤ PRINTER/ANALOG I/O
- ⑥ POWER CONTROL
- ⑦ FRONT PANEL

FIGURE 1

<b>BRIAN</b> INSTRUMENTS, INC.		
<b>BRIKON/QUICKLIGN</b>		
D	INSIDE LAYOUT	REV. A
DATE: 1 MARCH 1992	SHEET 1 OF 1	