

**OPERATOR'S MANUAL**

**FOR**

**DUAL TIME BASE,**

**TEKTRONIX MODEL 7B92A**

**(NSN 6625-01-027-0265)**

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**DEPARTMENTS OF THE ARMY AND THE AIR FORCE**  
**12 MARCH 1980**

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**REPORTING OF ERRORS**

You can improve this manual by recommending improvements using DA Form 2028-2 located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample fold it where shown, and drop it in the mail.

If there are no blank DA Forms 2028-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

For Air Force, use USAFLC Form 252 (Request for TO Revision or Change). Forward direct to prime ALC/MST.

In either case, a reply will be furnished direct to you.

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**7B92A Features**

The 7B92A Dual Time Base unit provides normal, delayed, intensified, and alternate sweep operation for Tektronix 7000-Series Oscilloscopes. Calibrated sweep rates from 0.2 second to 0.5 nanosecond and triggering to 500 megahertz are provided. The 7B92A is intended for use with high-frequency 7000-Series Oscilloscope systems; however, most 7B92A functions are compatible with all 7000-Series Oscilloscopes.

Other features include lighted pushbutton switches, compatibility with indicator oscilloscopes having an alphanumeric read out system, and 0 to 9.8 times continuous sweep delay. A VARIABLE control allows continuously variable sweep rates between calibrated steps. Also, when operating in the AUTO MAIN TRIGGERING MODE, a bright base line is displayed in the absence of a trigger signal.

Figure 1-1. 7B91A Dual Time Base

## SECTION 0

### INTRODUCTION

#### 0-1. Scope

This manual contains instructions for the operation of Dual Time Base, Tektronix Model 7B92A. Throughout this manual Dual Time Base, Tektronix Model 7B92A is referred to as the 7B92A.

#### 0-2. Indexes of Publications

*a. DA Pam 310-4.* Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

*b. DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

#### 0-3. Maintenance Forms, Records, and Reports

*a. Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750 (Army). Air Force personnel will use AFM 66-1 for maintenance reporting and TO-00-35D54 for unsatisfactory equipment reporting.

*b. Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DLAR 4145.8.

*c. Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33B/AFR 75-18/MCO P4610.19C and DLR 4500.15.

#### 0-4. Reporting Equipment Improvement Recommendations (EIR)

*a. Army.* EIR's will be prepared using Standard Form 368, Quality Deficiency Report. Instructions for preparing EIR's are provided in TM38-750, The Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

*b. Air Force.* Air Force personnel are encourage to submit EIR's in accordance with AFM 900-4.

#### 0-5. Administrative Storage

To prepare Dual Time, Base, Tektronix Model 7B92A for administrative storage, perform the procedures described in this manual, pages 2-5 through 2-7, titled: Setup Procedure, Sweep Functions, and Triggering Functions. To remove the 7B92A from administrative storage repeat the Setup Procedure Sweep Functions, and Triggering Functions to determine that the equipment is fully operational.

#### 0-6. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.