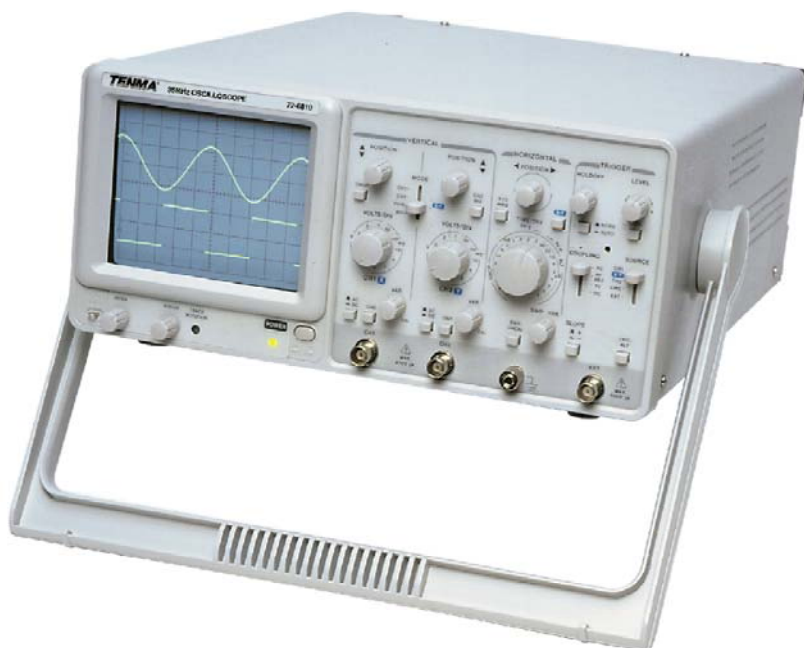


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| REVISIONS |     |             |       | DOC. NO. SPC--F004 * Effective: 12/21/98 * DCP No: 680 |        |         |        |         |  |
|-----------|-----|-------------|-------|--------------------------------------------------------|--------|---------|--------|---------|--|
| DCP #     | REV | DESCRIPTION | DRAWN | DATE                                                   | CHECKD | DATE    | APPRVD | DATE    |  |
| 905       | A   | RELEASED    | JWM   | 4/22/02                                                | HO     | 4/22/02 | DJC    | 4/22/02 |  |
|           |     |             |       |                                                        |        |         |        |         |  |



## FEATURES

- High sensitivity 1mV/DIV
- TV Synchronization
- Z Axis Input
- ALT Triggering Function
- Hold Off Function
- CH1 Output

## Specifications

### CRT

**Type:** 6 inch rectangular type with internal graticule  
8 x 10 DIV (1DIV = 1cm)

#### Z-Axis Input:

Input Impedance: Approx. 5kohm  
Sensitivity: Above 3 Vp-p  
Bandwidth: DC ~ 5MHz

### VERTICAL SYSTEM

**Sensitivity:** 5mV/DIV~5V/DIV $\pm$ 3%, 1mV~2mV/DIV $\pm$ 5%

**Bandwidth:** DC ~ 35MHz

DC ~ 10MHz at 1~2mV/DIV

**Rise Time:** 10nS (35nS at 1mV~2mV/DIV)

**Input Impedance:** Approx. 1Megohm

**Input Coupling:** AC, DC, GND

**Vertical Mode:** CH1, CH2, DUAL, ADD, CH2 INV  
(Dual automatic switching ALT & CHOP)

### HORIZONTAL SYSTEM

**Sweep Time:** 0.1 $\mu$ S ~ 0.5S/DIV  $\pm$ 3%

100nS ~ 50mS  $\pm$ 5% (x 10 MAG)

10nS ~ 50nS  $\pm$ 8% (x 10 MAG)

### TRIGGER

**Trigger Mode:** AUTO, NORM

**Trigger Source:** CH1, CH2, ALT, LINE, EXT

**Trigger Coupling:** AC, DC, HF REJ, TV

**Trigger Slope:** "+" or "-"

### X-Y OPERATION

**Sensitivity:** 5mV ~ 5V/DIV  $\pm$ 4%

**X-Axis Bandwidth:** Dc ~ 1MHz

**Phase Error:** 3° or less from DC ~ 50kHz

### OUTPUT SIGNAL

**Trigger Signal Output:**

Voltage: Approx. 50mVDIV into 50 ohms

**Calibrator Output:** 1kHz Squarewave, 2 Vp-p  $\pm$ 2%

**POWER SOURCE:** AC100V/120V/220V/230V  $\pm$ 10%, 50/60Hz

**ACCESSORIES:** Power Cord

Instruction Manual

Two Probes

SPC-F004.DWG

**DISCLAIMER:**  
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

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|               |         |
|---------------|---------|
| DRAWN BY:     | DATE:   |
| Jeff McVicker | 4/22/02 |
| CHECKED BY:   | DATE:   |
| Hisham Odish  | 4/22/02 |
| APPROVED BY:  | DATE:   |
| Daniel Carey  | 4/22/02 |

DRAWING TITLE:

35Mhz Dual Trace/Channel Oscilloscope

SIZE DWG. NO.

A

72-6810

ELECTRONIC FILE

18C2253.dwg

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 1 OF 1