

**DC – 40 MHz, 2 CH, EXT trigger, 3 traces**

- **High brightness CRT by 16 kV accelerating voltage**
- **2 mV/div high sensitivity and 10 ns/div sweep rate**
- **Full NTSC, PAL (SECAM) TV triggering with field and line**
- **2% accuracy**
- **Input connector with probe sensor (Probe with sensor is optionally available)**
- **5-digits frequency counter**
- **Read out and Cursor function**
- **Self auto balance adjust function**
- **Trace rotation function**



**Specifications**

■ **CRT**  
**Shape** 6-inch rectangular. internal graticule, meshless  
**Effective area** CRT with scale illumination  
**Accelerating voltage** 8 x 10 div (1 div = 10 mm)  
 Approx. 16 kV  
 ■ **Vertical deflection system (Y axis)**  
**Vertical mode** CH1, CH2, ADD (CH1 + CH2)  
 ALT, CHOP (555 kHz ±1%)  
**CH1, CH2**  
**Sensitivity** 2 mV/div – 5 V/div (1-2-5 sequence in 11 steps)  
**Variable adjuster** 2 mV/div – 12.5 V/div. continuously variable  
**Accuracy** ±2 %  
**Frequency bandwidth** DC – 40 MHz -3 dB  
 DC – 20 MHz -3 dB at 2 mV/div  
 Note: The lower limit frequency is 10 Hz with AC coupling  
**Rise time** Approx. 8.75 ns  
 Note: Calculated from the following formula  

$$Tr = \frac{350}{\text{Bandwidth [MHz]}} \text{ [ns]}$$
  
**Signal delay time** 30 ns or more (on the screen)  
**Input coupling** AC, DC, GND  
**Input RC** 1 MΩ ±1.5% // 25 pF ±2 pF  
**Max. input voltage** ±400 V (DC + AC peak)  
**Polarity switching** CH2 only  
**Probe sense** 1:1, 10:1, 100:1  
 ■ **Triggering**  
**Trigger mode** EDGE, TV  
**Source** VERT, CH1, CH2, EXT, LINE  
**Coupling** AC, DC, HF-REJ, LF-REJ  
**Slope** +, -  
**Sensitivity**

Frequency	CH1, CH2	EXT
DC – 5 MHz	0.4 div	80 mV
5 MHz – 40 MHz	1.0 div	200 mV

HF-REJ: Attenuates at 10 kHz or more  
 LF-REJ: Attenuates at 10 kHz or less  
**EXT TRIG**  
**Coupling** DC  
**Input RC** 1 MΩ ± 1.5% // 25 pF ±3 pF  
**Max. input voltage** ±400 V (DC + AC peak)  
**TV trigger**  
**Format** NTSC, PAL (SECAM)  
**Trigger mode** TV-V (ODD, EVEN, BOTH), TV-H  
**NTSC** 5 H – 2000 H  
**PAL (SECAM)** 2 H – 1997 H

■ **Horizontal deflection system (X axis)**  
**Display (HORIZ DISPLAY)** A, X-Y  
**Sweep mode** AUTO NORMAL SINGLE  
**Sweep rate** 100 ns/div – 500 ms/div (1-2-5 sequence in 24 steps)  
**Max. sweep rate** 10 ns/div  
**Hold-off time** Variable  
**Sweep magnification** X10  
 ■ **X-Y operation**  
**X axis** CH1  
**Sensitivity** Same as CH1  
**Accuracy** ±4%  
**Frequency bandwidth** DC – 2 MHz –3 dB  
**Y axis** CH1, CH2, ADD  
**Phase difference** Within 3° (DC – 50 kHz)  
 ■ **CAL (calibration signal)**  
**Waveform** Square wave  
**Frequency** 1 kHz ±0.1%  
**Duty ratio** 49% – 51%  
**Output voltage** 0.6V ±1%  
 ■ **Cursor measurement**  
**Counter** Time difference (Δt), voltage difference (ΔV)  
**Accuracy** 5-digit (A trigger source)  
 ±0.01%  
**Frequency range** 2 Hz – 40 MHz  
 ■ **Panel setting** A panel setup just before power off is saved  
**Backup time** Approx. 30,000H (at 25°C)  
 ■ **Power supply**  
**Voltage range** AC 100 V – 120 V, 200 V – 240 V  
**Frequency range** 50 Hz – 400 Hz  
**Power consumption** Max. 110 VA  
**Weight and dimensions**  
**Weight** Approx. 7.5 kg (without accessories)  
**Dimensions** Approx. 272W x 152H x 390L mm  
 ■ **Environmental conditions**  
**Performance guaranteed temperature** +10 – +35°C  
**Operating range**  
**Temperature** 0 – +40°C  
**Humidity** 90% RH (0 – 40°C)  
**Storage range**  
**Temperature** -20 – +40°C  
**Humidity** 80% RH (-20 – +40°C)  
 ■ **Accessories** Power cord (x1), probe (x2), panel cover (1), fuse (x2), operation manual (x1)