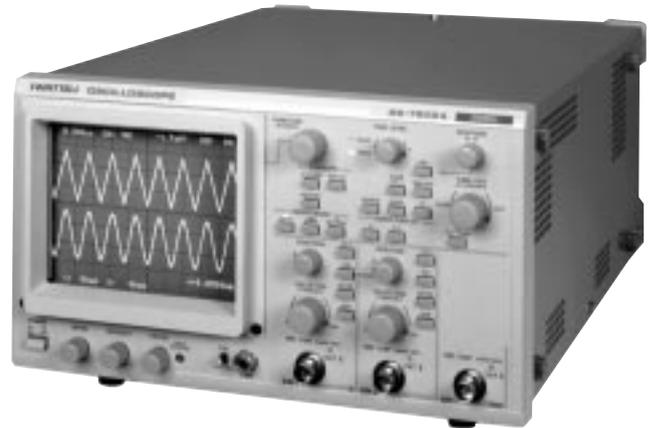


DC – 20 MHz, 2 CH, EXT trigger, 3 traces

- 2 mV/div high sensitivity and 20 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
- Self auto balance adjust function
- Trace rotation function
- Single sweep function



Specifications

■ CRT	
Shape	6-inch rectangular, internal graticule CRT
Effective area	8 x 10 div (1 div = 10 mm)
Accelerating voltage	Approx. 2 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 – 20 MHz –3 dB DC – 10 MHz –3 dB at 2 mV/div Note: The lower limit frequency is 10 Hz with AC coupling

Rise time Approx. 17.5 ns
Note: Calculated from the following formula

$$Tr = \frac{350}{\text{Bandwidth [MHz]}} \text{ [ns]}$$

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 – 20 MHz	1.0 div	200 mV or more

HF-REJ: Attenuates at 10 kHz
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	200 ns/div – 500 ms/div (1-2-5 sequence in 24 steps)
Max. sweep rate	20 ns/div
Hold-off time	Variable
Sweep magnification	X10
■ X-Y operation	
X axis	CH1
Sensitivity	Same as CH1
Accuracy	±4%
Frequency bandwidth	DC – 1 MHz -3 dB
Y axis	CH1, CH2, ADD
Phase difference	Within 3° (DC – 20 kHz)
■ CAL (calibration signal)	
Waveform	Square wave
Frequency	1 kHz ±0.1%
Duty ratio	49% – 51%
Output voltage	0.6V ±1%
■ Cursor measurement	Time difference (Δt), voltage difference (ΔV)
Counter	5-digit (A trigger source)
Accuracy	± 0.01%
Frequency range	2 Hz – 20 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, 110 – 120 V, 220 V, 230 – 240 V
Frequency range	50 Hz – 60 Hz
Power consumption	Max. 60 VA
Weight and dimensions	
Weight	Approx. 8.5 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), operation manual (x1)