Description			Specifications
CRT	Configuration and useful screen		6-inch rectangular screen with internal graticule :8X10 Div (1 div=1Cm). marking for measurement of rise time 2mm subdivisions along the central axis.
	Acceleration potential		+1.9KV apporx.(ref. cathode)
	Phosphor		P31 (standard)
	Focussing		Possible
	Trace rotation		provided
	Intensity control		provided
VERTICAL DEFLECTION	Band Width(-3dB)	DC coupled	DC to 20MHz normal(X1) DC to 7MHz magnified(X5)
		AC coupled	10Hz to 20MHz normal (X1) 10Hz to 7MHz magnified(X5)
	Modes		CH1,CH2,ADD,DUAL(CHOP; Time/div switch -0.2s to 5mS. ALT : Time/div switch -2mS to 0.2µS)
	Deflection Factor		5mV/div to 5V/div in 10 calibrated steps of a 1-2-5 sequence continously variable between steps at least 1:2.5 (x5 MAG : 1mV/div to 1V/div in 10 calibrated steps.)
	Accuracy		normal ; ±3%, magnified:±5%
	Input impedance		approx. 1Mohm in parallel with 25pF
	Maximum input voltage		Direct;250V(DC+peak AC) with probe: refer to probe specification
	Input coupling		DC - GND - AC
	Rise time		17.5nS or less(50nS or less:at x5 MAG)
	CH1 out		25mV/div into 50Ω ; DC to 10MHz(-3dB)
	(Polarity) invertion		CH2 only
HORIZONTAL DEFECTION	Display modes		X1, X10, X-Y
	Time base		0.2µs/div to 0.2S/div in 19 calibrated steps, 1-2-5 sequence. uncalibrated continuous control between steps at least 1:2.5
	Hold-off time		variable with the holdoff control
	Sweep magnification		10 times (maximum sweep rate ; 20nS/div) Note: 50nS/div. 20nS/div of TIME BASE are uncalibrated.
	Accuracy		±3%, ±5% (0&degC to 50&degC), additional error for magnifier ±2%
TRIGGER SYSTEM	Modes		auto, norm, TV-V, TV-H
	Source		CH1, CH2, LINE, EXT
	Coupling		AC
	Slope		+ or -

<table>
<tr><td></td><td>Sensitivity and Frequency range AUTO, NORM</td><td><table><tr><td></td><td>20Hz-2MHz</td><td>2Hz-2MHz</td></tr><tr><td>INT</td><td>0.5 div</td><td>1.5 div</td></tr><tr><td>EXT</td><td>0.2 Vp-p</td><td></td></tr><tr><td>0.8Vp-p</td><td></td><td></td></tr></table></td></tr>
<tr><td></td><td>TV-V, TV-H</td><td>at least 1div or 1.0Vp-p</td></tr>
<tr><td></td><td>External trigger input impedance</td><td>approx. 1MΩ with25pF</td></tr>
<tr><td></td><td>Max. input voltage</td><td>250V (DC + peak AC)</td></tr>
<tr><td>X-Y OPERATION</td><td>X-axis</td><td>(same as CH1 except for the following)
Deflection factor ; same as that of CH1 / Accuracy ; ±5% /
Frequency response ; DC to 500KHz (-3dB)</td></tr>
<tr><td></td><td>Y-axis</td><td>same as CH2</td></tr>
<tr><td></td><td>X-Y phase difference</td><td>3° or less (at DC to 50KHz)</td></tr>
<tr><td>CALIBRATOR</td><td>Probe Adjustment</td><td>approx. 1KHz frequency, 0.5V(±3%)square wave, duty rate:50%</td></tr>
<tr><td>FUNCTION GENERATOR</td><td>Frequency range</td><td>0.1Hz to 1MHz (7 range)</td></tr>
<tr><td></td><td>Output waveform</td><td>sine, triangle, square, TTl pulse</td></tr>
<tr><td></td><td>Frequency stability</td><td>±5%(1/10/100/1K/10K/100K range)
±1%(1M range) 15 minutes later after Power on</td></tr>
<tr><td></td><td>Frequency variable</td><td>10:1 Min</td></tr>
<tr><td></td><td>Output impedance</td><td>50Ω±10%(TTL output:FAN-OUT 20 ea)</td></tr>
<tr><td></td><td>Output voltage</td><td>14Vp-p Min (open circuit)-continuous variable
DC OFFSET provided(open circuit):±6V Min, TTL LEVEL(Square wave only): 3Vp-p Min.</td></tr>
<tr><td></td><td>Sinewave distortion</td><td>1% Max.(10Hz-100kHz)</td></tr>
<tr><td></td><td>Duty ratio</td><td>50±3% Max. (at 1kHz:max. output level)</td></tr>
<tr><td></td><td>Square wave rise & fall time</td><td>50Ωoutput : 120nS Max. output LEVEL into 50Ω)TTL output: 25nS Max.</td></tr>
<tr><td>POWER SUPPLY</td><td>Voltage Range</td><td><table><tr><td>voltage range</td><td>100(90-110V)/AC</td><td>120(108-132V)/AC</td><td>220(198-242V)/AC</td><td>240(216-250V)/AC</td></tr><tr><td>fuse</td><td>2A 250V</td><td>2A 250V</td><td>1A 250V</td><td>1A 250V</td></tr></table></td></tr>
<tr><td></td><td>Frequency</td><td>50 Hz / 60 Hz</td></tr>
<tr><td></td><td>Power consumption</td><td>Approx. 45w</td></tr>
<tr><td>PHYSICAL CHARACTERISTIC</td><td>Weight</td><td>7.4Kg</td></tr>
<tr><td></td><td>Size</td><td>320mm (W) X 140mm (H) x 430mm (L)</td></tr>
<tr><td>ENVIRONMENTAL CHARACTERISTICS</td><td>Temperature range for rated operation</td><td>+10&degC to +35&degC(+50&degF to 95&degF)</td></tr>
<tr><td></td><td>Max. ambient operation temperature</td><td>0&degC to 40&degC(+32&degF to +104&degF)</td></tr>
<tr><td></td><td>Max. storage temperature</td><td>-20&degC to +70&degC(-4&degF to +158&degF)</td></tr>
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	Humidity range or rated operation	45% to 85% RH
	Max. ambient operation humidity	35% to 85% RH