



## MOS-650CT - Features and Benefits

- High luminance,internal graticule CRT
- Japanese electronic encoder,light,handy and reliable
- Fully sealed long live vertical mode switch
- ALT Triggering Function. Two independent signals
- Simultaneous observation
- **Build-in Component Test Operating**
- 50MHz Bandwidth with Dual Channel



Dimensions: 310mm(W)x150mm(H)x 455 mm(D)  
Weight: Approx.8kg



Specifications	<b>CRT</b>	
	Type	6-inch rectangular type, internal graticule
	Phosphor	P31
	Acceleration voltage	Approx.2KV(20MHz)/Approx.12kv(40MHz)
	Effective screen size	8×10DIV[1DIV=10mm(0.39in)]
	Graticule	Internal
	Trace rotation	Provided
	<b>Vertical Axis</b>	
	Frequency bandwidth	DC~50MHz
	Rise time	Approx.7ns
	Sensitivity	5mV~5V/DIV,10 steps in 1-2-5 sequence
	Vernier Vertical sensitivity	To 1/2.5 or less of panel-indicated value.
	AC coupling	Low limit frequency10Hz. (With reference to 100KHz, 8DIV. Frequency responsewith-3dB.)
	Input impedance	Approx. 1Mohm //Approx.25pF
	Linearity	Adjustable on panel
	Vertical modes	± 0.1 DIV of amplitude change when waveform of 2 DIV at graticule center is moved vertically.
	DC balance shift	CH1,CH2,DUAL,ADD
	Chopping repetition frequency	Approx.250kHz
	Input coupling	AC, GND, DC
	Maximum input voltage	400V (DC+AC peak),AC:frequency 1kHz or lower.
	Common mode rejection ratio	50:1 or better at 50KHz sinusoidal wave(When sensitivities of Ch1 and Ch2 are set equally)
	Isolation between channels (At 5mV/DIV range)	>1000:1 at 50KHz >30:1 at 45MHz
	CH2 INV BAL	Balanced point variation:≤1DIV (Reference at center graticule)
	<b>Triggering</b>	
	Triggering source	CH1,CH2,LINE,EXT,ALT
	Coupling	AC: 20Hz to full bandwidth
	SLOPE	+/-
Sensitivity	20Hz~2MHz:0.5DIV, TRIG-ALT:2 DIV, EXT:200mV	
	2~50MHz:3.0 DIV	
	TRIG-ALT:3DIV, EXT:800mV; TV: Sync pulse more than 1 div(EXT:1 V)	
Triggering modes	AUTO,NORM,TV-V,TV-H	
EXT triggering signal input	Approx:1MΩ/approx.25pF	
Max.input voltage	400V (DC+AC peak), AC: Frequency not higher than 1KHz	
<b>X-Y MODE</b>		
Frequency bandwidth	DC to at least 500kHz	
X-Y phase difference	≤3°at DC~50kHz	
Sensitivity	Same as vertical axis. (X-axis:CH1 input signal; Y-axis:CH2 input signal.)	
<b>Horizontal System</b>		
Sweep time	0.2uSec~0.5Sec/DIV,20steps in 1-2-5 sequence	
Sweep time accuracy	±3%	
Sweep magnification	10 times	