



MOS-640CT - 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**
- 40MHz Bandwidth with Dual Channel



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



Specifications	
CRT	
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
Vertical Axis	
Frequency bandwidth	DC~40MHz
Rise time	Approx.8.75ns
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 response with-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	>1000:1 at 50KHz
(At 5mV/DIV range)	>30:1 at 35MHz
CH2 INV BAL	Balanced point variation:≤1DIV (Reference at center graticule)
Triggering	
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
	2~40MHz:2.5 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
X-Y MODE	
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.)
Horizontal System	
Sweep time	0.2uSec~0.5Sec/DIV,20steps in 1-2-5 sequence
Sweep time accuracy	±3%
Sweep magnification	10 times