



## MOS-620CH - Features and Benefits

- 20MHz bandwidth, Dual Channels
- High luminance,internal graticule CRT
- Fully sealed long live vertical mode switch
- ALT Triggering Function. Two indepen dent signals
- Simultaneous observation
- 10 times sweep magnification
- TV Synchronization,X-Y mode



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>	
	Sensitivity and accuracy	5mV~5V/DIV,10 steps in 1-2-5sequence; ≤3%
	DC balance shift	5mV~5V/DIV: ±0.5DIV, 1mV~2mV/DIV ±2.0DIV
	Bandwidth	DC~20MHz
	Linearity	<±0.1DIV of amplitude change when waveform of 2DIV at graticule center is moved vertically
	Vernier vertical sensitivity	continuously variable to 1/2.5 or less of panel-indicated value
	Rise time	Approx.17.5ns
	Input impedance	Approx.1MΩ/Approx.25pF
	Sensitivity	5mV~5V/DIV,10 steps in 1-2-5sequence
	AC coupling	Low limit frequency 10Hz.(With reference to 100KHz, 8DIV, Frequency response with-3dB.)
	Vertical modes	CH1,CH2,DUAL,ADD
	Chopping repetition frequency	Approx. 250KHz
	Input coupling	AC, GND, DC
	Maximum input voltage	300Vpeak (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; >30:1 at 15MHz/>30:1 at 35MHz/>30:1 at 45MHz
	CH1 signal output	At least 20mV/DIV into a 50Ω termination. Bandwidth is 50Hz to at least 5MHz
	CH2 INV BAL	Balanced point variation:≤1DIV (Reference at center graticule)
	<b>Triggering</b>	
	Triggering source	CH1,CH2,LINE,EXT
Coupling	AC: 20Hz to full bandwidth	
SLOPE	+/-	
Sensitivity	20Hz~2MHz:1DIV, TRIG-ALT:2DIV EXT:200mV;TRIG-ALT:3DIV,EXT:800mV; 2~20MHz:1.5DIV;20MHz~40MHz:2.5DIV;40MHz~50MHz:3DIV; TV: Sync pulse more than 1 DIV (EXT:1V)	
Triggering modes	AUTO,NORM,TV	
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%	