

# 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 independent signals
- Simultaneous observation
- 10 times sweep magnification
- TV Synchronization, X-Y mode



CE

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		
Sensitivity and accuracy	5mV~5V/DIV, 10 steps in 1-2-5 sequence; ≤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 1-2-5 sequence	
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)	
Triggering		
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	
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, 20 steps in 1-2-5 sequence	
Sweep time accuracy	±3%	