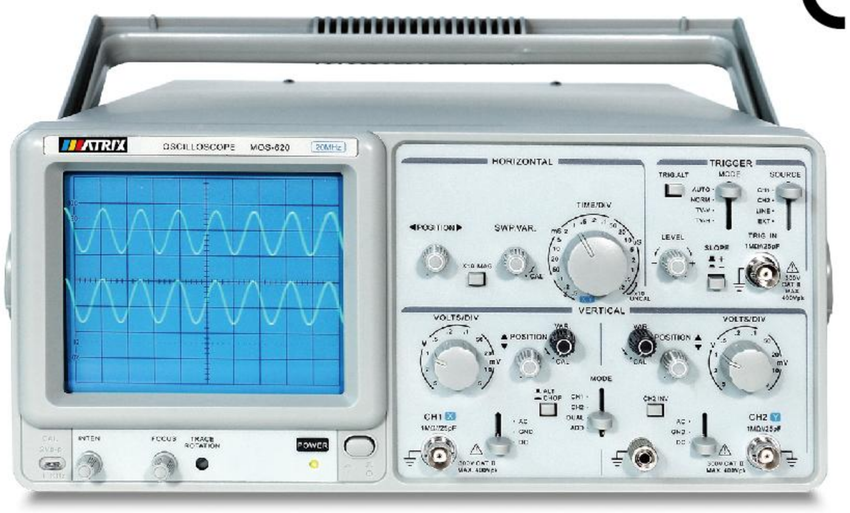
Dual Channel Analog Oscilloscope

MOS-620



- Dual channel 20MHz
- Scan extension X10 function
- TV synchronization, X-Y mode
- High luminance, internal calibrated CRT
- Japanese electronic code switch, light and reliable
- Sealed attenuation switch is durable
- ALT trigger function, can measure two irrelevant signals

Model	MOS-620
Vertical system	**Trigger**
Sweep time：0.2μSec~0.5Sec/DIV ， 20 steps in 1-2-5 sequence	Trigger source：CH1，CH2，LINE,EXT
Accuracy：±3%	Trigger Coupling：AC：20Hz to full bandwidth
Fine：≤1/2/5 panel indication scale	Trigger slope：+/-
Sweeping magnification: 10 times	Sensitivity：20Hz~2MHz：1DIV TRIG-ALT：2DIV EXT:200mV
X10MAG sweep time accuracy： ±5%（20nSec~50nSec not calibrated）	2MHz~20MHz：1.5DIV TRIG-ALT：3DIV EXT:800mV
Linear：±5%X10MAG：±10%（0.2s~1μs）	TV: Sync pulse > 1DIV(EXT:1V)
Displacement caused by X10MAG: < 2DIV at the center of CRT	Trigger mode：AUTD: AUTO NORM：NORM
X-Y mode	TV field: when you want to observe a TV signal;
Sensitivity: same as vertical axis	TV line: (only when the sync signal is negative pulse, the TV field and TV line can be synchronized)
Frequency range：DC~500kHz	External trigger mode model
X-Y phase error：≤3°（DC~50kHz）	Input impedance: Approx. 1MΩ/25pF
Horizontal system	Max. Input voltage：300V(DC+AC peak) AC frequency：1kHz or lower
Sensitivity：5mV~5V/DIV, 10 steps in 1-2-5 sequence	**Calibration signal**
Sensitivity and accuracy：≤3%；1/2.5 or smaller than the panel indicating scale	Waveform：Square wave
Frequency range：DC~20MHz	Freq.：Approx.1kHz
AC coupling： < 10Hz (100kHz 8DIV frequency response:-3dB)	Duty cycle：<48：52
Rise time: Approx. 17.5nS	Output voltage：2Vp-p±2%
Input resistance：Approx. 1M/25pF	Output impedance: Approx.1kΩ
DC balance movement：5mV~5VDIV：±0.5DIV	**CRT oscilloscope tube**
Linear: When the waveform moves vertically in the center of the grid（2DIV）	Model : 6 inch rectangular internal graticule
Amplitude change < ±0.1DIV	Phosphor powder specifications：P31
Vertical mode：CH1；CH2; DUAL：CH1 and CH2 display simultaneously Speed can be selected alternately or intermittently	Acceleration voltage：Approx. 2kV（20MHz）
ADD：CH1 and CH2 do algebraic addition	Valid display：8X10DIV [1DIV=10mm(0.39in)]
Intermittent repetition frequency：Approx. 250kHZ	Graticule：internal
Input coupling：AC GND DC	Trace rotation: adjustable at front panel
Maximum input voltage：300V peak （AC : Freq.≤1kHz）	**Technical characteristic**
Common mode rejection ratio: >50:1 at 50kHz sine wave (Set the sensitivity of CH1 and CH2 the same)	Power source：AC 220C±10%（standard），AC 110V/220V
Insulation between 2 channels (in the range of 5mV/DIV)：	±10%（optional） 50Hz/60Hz, 35VA Maximum
> 1000:1 50kHz； > 30:1 15MHz / > 30:1 35MHz； > 30:1 45MHz	Dimension：455（W）*150(H)*310(D)mm
CH2 INV BAL: Balance point change rate ≤ 1DIV (corresponding to the scale center)	Weight：Approx. 8kg