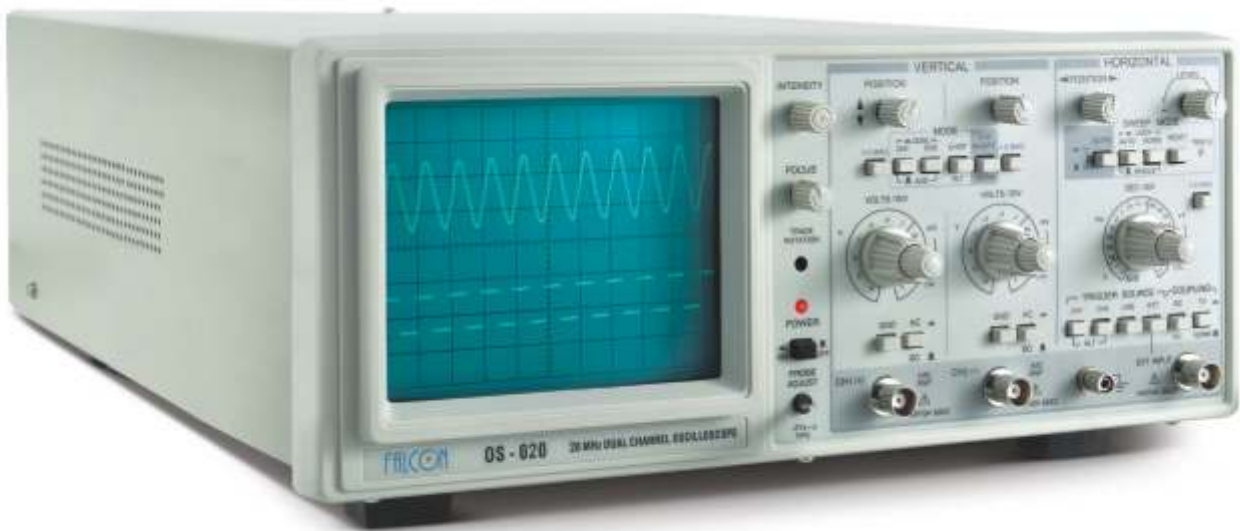


OS-20
20 MHz Dual Trace Oscilloscope



FEATURES

- Highest Sensitivity up to 1mV/subdiv
- Lowest sweep rate of 10s/div
- Auto sweep circuit in full frequency bandwidth in trigger system
- Flexible trigger mode to select one signal or external input signal trigger
- Alt trigger function
- Trigger output

SPECIFICATIONS

Y AXIS SYSTEM	OS-20
Mode	CH1, CH2, Alt, Chop, Add, X-Y
Deflection CH1 or CH2	5mV / div-10V / div, 1-2-5, 11 steps, ± 5%
Magnification	x 5 ± 10%
Bandwidth AC	10Hz -20MHz -3db
DC	0-20MHz -3db
Rising Time	≤ 12ns
Overshot	≤ 5%
Impedance	≤ 5%
Coupling	AC, GND, DC
Input Capacitance	1 ± 5% M ≤ 30pF (direct), 10 ± 5% M // ≤ 23pf (via probe)
Max. Safe Voltage	400V (DC + Ac p-p)
Polarity	only Ch2

SPECIFICATIONS

	OS-20
TRIGGER	
Trigger Source	CH1, CH2, Alt, Line, Ext
Coupling	AC / DC (ext) normal / TV
Polarity	+, -
Min Sync Level	Trigger 5Hz-20MHz
INT	1div;
EXT	0.2Vp-p
TV INT	2div;
Trig Loc	(20Hz-10MHz): ± 2 div.
Ext Trig	$1 \pm 5\% M // \leq 30pF$
Max. Safe Voltage	400V (DC + AC p-p)
HORIZONTAL	
Sweep Mode	Auto, trig, trig lock, single time
Sweep Rate	$0.1\mu s / div - 0.2s / div$ 20 steps (1-2-5) $\pm 5\%$
Magnification	$\times 5 \pm 10\%$
X-Y	
Single Input X	CH1
Y	CH2
Deflection	The same with CH1
Frequency Response AC	10Hz-1MHz -3db
DC	0-1MHz -3db
Input Impedance	The same as CH1
Input Voltage at Mag.	The same as CH1
X-Y Phase Error	$\leq 3^\circ$ (DC-50KHz)
Z AXIS SYSTEM	
Vmin	TTL level
Vmax	50V (DC + AC p-p)
Resistance	10k
Input Effect	Low level to intensification
Frequency	DC-5 MHz
PROBE	
Wave Form	Rectangle
Range	$0.5 \pm 2\% Vp-p$
Frequency	$1 \pm 2\% kHz$
CRT	
Persistence	Medium Persistence
Valid Area	8cm x 10cm (1cm = 1div)
ACCESSORIES	1 Pair probe, Power cable, Screwdriver, Internal Turret Spanner, Instruction Manual.