

AL SERIES

ANALOG OSCILLOSCOPES



YOKOGAWA 



- 20MHz, Dual Channel
- High Sensitivity 1mV / div
- TV Synchronization
- Z-Axis Input
- ALT Triggering Function
- CH1 Output

AL210E

CRT

Type	: 6-Inch Rectangular Type With Internal Graticule; 8 x 10 div (1div=1cm)
Z-Axis Input	: Input Impedance : Approx. 47k Ω Sensitivity : Above 5Vp-p Bandwidth : DC - 2MHz

Vertical System

Sensitivity	: 5mV / div - 5V / div \pm 3%, x5MAG : \pm 5%
Bandwidth (-3dB)	: DC (AC 10Hz) - 20MHz (-3dB) DC (AC 10Hz) - 7MHz (-3dB) at x5MAG
Rise Time	: 17.5ns (50ns at x5MAG)
Input Impedance	: Approx. 1M Ω
Input Coupling	: AC, DC, GND
Vertical Modes	: CH1, CH2, DUAL (CHOP/ALT), ADD, CH2 INV

Horizontal System

Sweep Time	: 0.2 μ s / div - 0.5s / div \pm 3% 100ns - 50ms / div \pm 5% (x10MAG) 20ns - 50ns / div : uncalibrated
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Trigger

Trigger Mode	: AUTO, NORM, TV-V, TV-H
Trigger Source	: CH1, CH2, ALT, LINE, EXT
Trigger Coupling	: AC
Trigger Slope	: "+" or "-"

X-Y Operation

Sensitivity	: 5mV - 5V / div \pm 4%
Bandwidth	: DC - 500kHz
Phase Difference	: 3 $^\circ$ or less from DC to 50kHz

Output Signal

Trigger Signal Output	: Voltage : Approx. 20mV / div into 50 Ω
Calibrator Output	: 1kHz, Square Wave, 2Vp-p \pm 2%

Power Source

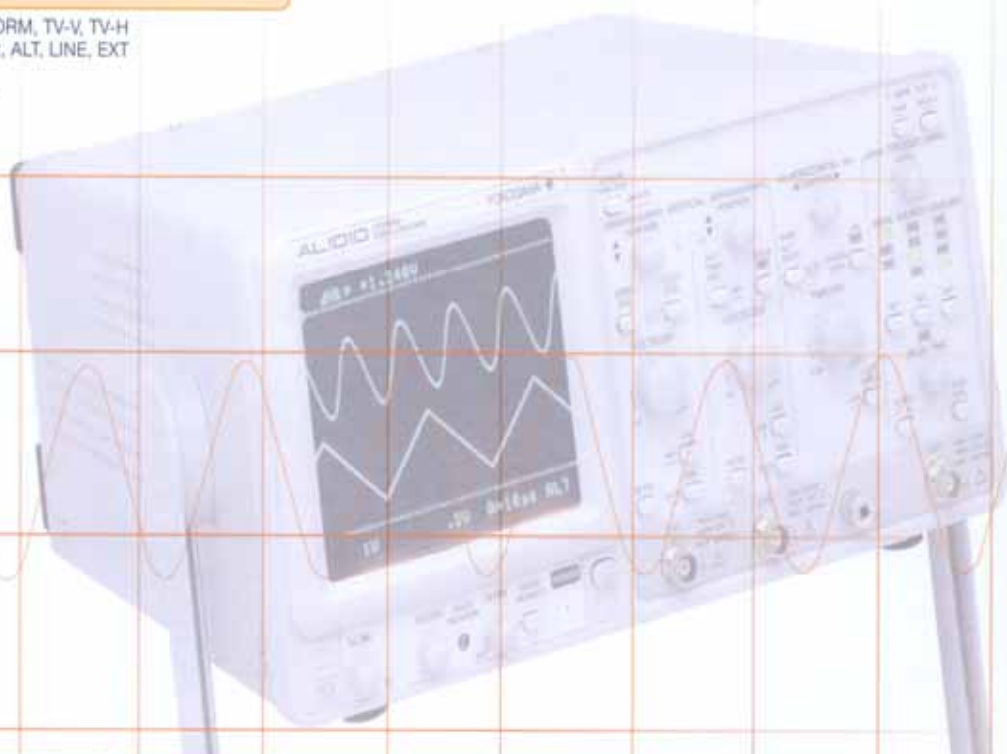
AC 115V / 230V \pm 15%, 50 Hz / 60 Hz

Accessories

Power Cord x 1, Instruction Manual x 1, GCP-21LC Probes (10:1 / 1:1) x 2

Dimensions & Weight

310(W) x 150(H) x 455(D)mm; Approx. 8kg



Oscilloscope Model		Suffix Codes	
AL210E	366520	- - - - -	20MHz, Basic
AL300	366530	- - - - -	30MHz, Cursor Readout, Frequency Counter
AL540	366554	- - - - -	50MHz, Cursor Readout, Frequency Counter
Power Voltage		-1	100V**
		-3	115V*
		-4	120V**
		-7	230V
Power Cable		-B	No.11 (S/100V) (Taiwan & Japan)
		-D	No.12 (UA/120V) (U.S.A., Canada)
		-F	No.14 (EU/230V) (Europe, Germany)
		-R	No.17 (SAA/230V) (Australia)
		-J	No.18 (E/230V) (England, Singapore)

Note : * Valid only for AL210E
 ** Valid only for AL300 & AL540

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