

40 MHz Analog Oscilloscopes

Model 1541D

40 MHz, Dual-Channel Oscilloscope

- 5mV/div sensitivity
- 19 calibrated sweeps
- Video sync separators
- X10 sweep magnification

Specifications

model

VEDTICAL AMDI	IFIFDC (CIL L and CIL 2)	
VERTICAL AMPLIFIERS (CH 1 and CH 2)		
Sensitivity	5 mV/div to 5 V/div, 1 mV/div, with X5 gain	
Accuracy	5 mV/div to 5 V/div, ±3% (X5 gain), ±5%	
Input Impedance	$1M\Omega \pm 2\%$, 25pF $\pm 10\%$	
Frequency Response	DC to 40 MHz (-3dB), DC to 7 MHz (-3dB) at X5 gain	
Rise Time	8.8 ns (Overshoot <u><</u> 5%)	
Operating Modes	CH 1; CH 2; DUAL; Alternate/Chop; ADD	
Chop Frequency	Approximately 250kHz	
Max Input	400 V (DC + AC peak)	

SWEEP SYSTEM

0.2μ s/div to 0.2 s/div in 1-2-5 sequence; 20 steps,
vernier control provided
±3%
10x
5:1 Continuously variable

TRIGGERING

Trigger Modes	Auto, Norm
Trigger Source	Ch 1, CH 2, LINE, EXT, ALT
Trigger Coupling	AC, TV-V, TV-H, NORM

HORIZONTAL AMPLIFIER (Input through EXT TRIG)

CH1: Y axis, CH2: X axis
Same as vertical CH1
Y axis $\pm 3\%$, X axis $\pm 6\%$
same as vertical CH1
DC to 1MHz (-3dB)

1541D

CRT	
Display Area	6 inches diagonal, rectangular screen with internal
	gratucule 8 x 10 div (1 div = 1 cm)
Accelerating Voltage	12 kV
Trace Rotation	Front panel adjustable
Phosphor	B3 I

Other Specifications

Calibrating voltage	TKITZ POSITIVE SQUARE WAVE. ZVP-P, ±3%
ENVIRONMENT	
Within Specified Accuracy	50° to 95°F (10° to 35°C), ≤ 85% RH
Full Operation	32° to 104 °F (0° to 40 °C), $\leq <85\%$ RH
Storage	-4° to 158°F (-20° to +70°C)
Power Requirements	100/120/220/240 V ± 10%, 50/60 Hz, approximately 38W
Dimensions (HxWxD)	12.8 x 15.7 x 5.2 " (324 x 398 x 132 mm)
Weight	16.8 lbs. (7.6 kg)

Accessories

Three Year Warranty

SUPPLIED: Instruction Manual, Two PR-33A x1/x10 Probes or equivalent, AC Power Cord, Spare Fuse

OPTIONAL: PR-32A Demodulator Probe, PR-37A x1/x10/REF. Probe, PR-100A x100 Probe, PR-55 High Voltage x1000 Probe, LC-210A Carrying Case



2222 Verus Street Suite C San Diego CA 92154 USA

Toll Free: 866.363.6634 Tel: 619.429.4545 Fax: 619.374.7012

Email: sales@calright.com http://www.calright.com