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5441/R5441 5440/R5440 *50 MHz MAINFRAME OSCILLOSCOPES*

High Bandwidth Real Time and Storage Mainframes.

- *DC to 50 MHz Bandwidth*
- *CRT Readout*
- *5 div/μs Stored Writing Speed*
- *Variable-Persistence Storage*
- *Dual X-Y Operation*
- *Wide Choice of Plug-Ins*

ORDERING INFORMATION

5441/R5441 50 MHz Storage Oscilloscope Mainframe*[1] Includes: Instruction/Service manual (070-2140-01), 1 year warranty, Power cord (see page 78 for type).

5441	**$7,995**
R5441	**$7,995**

5440/R5440 50 MHz Oscilloscope Mainframe*[1] Includes: Instruction/Service manual (070-2139-01), 1 year warranty, Power cord (see page 78 for type).

5440	**$5,275**
R5440	**$5,395**

Note: 'R' prefix indicates rack-mount version.

INSTRUMENT OPTIONS

Opt. 01 – Without Crt Readout	**NC**
Opt. 03 – User-Addressable Readout	**+$160**
Opt. 04 – Panel Cover (5440)	**+$45**

CONVERSION KITS

CRT Readout – Order 040-0691-02	*[2]
Cabinet to Rack – Order 040-0583-03	**$315**
Rack to Cabinet – Order 040-0584-04	**$330**

INTERNATIONAL POWER PLUG OPTIONS

Opt. A1 - Opt. A5 – Power Plugs **NC**
See page 78 for description.

ACCESSORIES

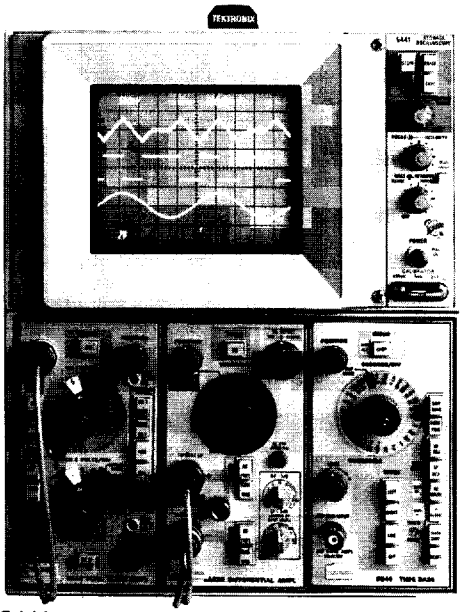
See page 78 for recommended accessories.

PHYSICAL CHARACTERISTICS

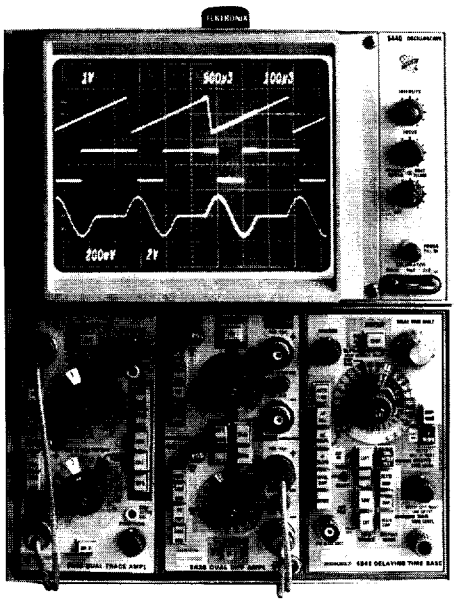
	Cabinet		Rackmount	
Dimensions	**mm**	**in.**	**mm**	**in**
Width	213	8.4	483	19.0
Height	302	11.9	135	5.3
Depth	518	20.4	483	19.0
Weight	**kg**	**lb**	**kg**	**lb**
Net	10.4	23.0	10.9	24.0
Shipping	14.5	32.0	19.5	43.0

[1] Plug-ins not included.

[2] Contact your local sales office.



5441



5440

5441

The 5441 adds variable-persistence storage, providing the ideal means of viewing hard-to-observe signals such as fast single-shot transients, or low-frequency phenomena. Variable-persistence storage may be used to completely eliminate the flicker inherent in low repetition rate traces. The viewing time at normal intensity for any trace can be varied from a fraction of a second to more than five minutes. At lowered intensity (SAVE mode), signals may be viewed for up to an hour.

5440

The 5440 combines versatility and low cost in a 50 MHz general-purpose, plug-in scope. Plug-in scale factors are displayed on the crt*[1], so measurement time and operator errors are reduced. It can also be accessed externally with Option 03 User Addressable Crt Readout.

PLUG-INS

All plug-ins in the 5000 Series are compatible with the 5440 and 5441. The wide variety of plug-ins available lets you configure your oscilloscope to meet your needs.

CHARACTERISTICS

VERTICAL SYSTEM (Left and Center Compartments)

Bandwidth and Rise Time (–3 dB) – 50 MHz and 7 ns, determined by plug-in unit.

Chop Mode – The oscilloscope will chop between channels at 25 kHz to 100 kHz, depending on plug-ins and operating modes.

Alt. Mode – Each plug-in is swept twice before switching to the next. A single-channel amplifier is swept once before switching to the second amplifier.

HORIZONTAL SYSTEM (Right Compartment)

Fastest Sweep Rate – 10 ns/div (x10).

X-Y Phase Shift – ≤ 2° from dc to 20 kHz.

CRT AND DISPLAY FEATURES

CRT – 8 x 10 div (0.9 cm/div), (1.27 cm/div 5440), illuminated graticule.

Persistence – Continuously variable, may be turned off.

Maximum Stored Writing Speed – Writing speed 5 div/μs for a view time of 15 seconds.

Storage View Time – The view time is the amount of time the stored signal can be viewed before it fades away. Adjusting the stored intensity CCW will reduce the stored writing speed, but view time can be increased up to five minutes.

POWER REQUIREMENTS

Line Input – 90 V to 250 VAC, internally selected, 48 Hz to 440 Hz max.

Power Consumption – 100 W.

ENVIRONMENTAL

Ambient Termperature – Operating: 0°C to +50°C; Nonoperating: –40°C to +70°C.

Altitude – Operating: 5000 m (15,000 feet); Nonoperating: 15,000 m (50,000 feet).

Option 03 Characteristics

User Addressable Readout – Up to 20 characters, programmed by external resistors and switches.

Warranty – One year. See page 78 for *Warranty-Plus* options.

[1] Plug-ins with a suffix N (5A18N, etc.) do not provide crt readout. The 5B10N and the 5B12N Time Bases do not permit viewing the leading edge of a triggered waveform when used in the 5400 Series.

To order, call your local Tektronix Sales Office, or call Tek's National Marketing Center. Toll free: 1-800-426-2200, Ext. 99.

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