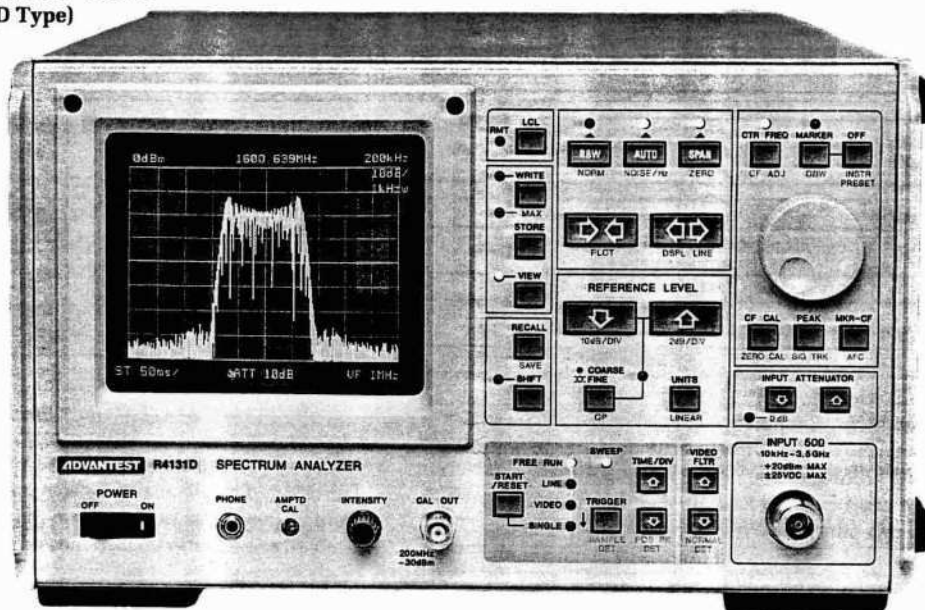


# Spectrum Analyzers

10 kHz to 3.5 GHz

## R4131 Series

- Excellent Skirt Characteristics:  $-80$  dBc
- Built-In AFC Function (D Type)
- Save/Recall Functions, Including Waveforms
- Auto-Recall Function



## R4131 Series Spectrum Analyzer

The R4131 Series incorporates the performance of the already-popular TR4131 Series of 3.5 GHz spectrum analyzers and provides additional features as well.

Weighing just 10 kg (22 lbs), these analyzers have a measurement-condition memory function which includes waveforms, an auto-recall function which recalls measurement conditions when power is switched on and other features to simplify operation. In addition to these new features, these analyzers use the proven spectrum analysis expertise of ADVANTEST, with standard features of directly readable field strength measurements compensated for antenna calibration factor and quasipeak value measurements conforming to CISPR standards.

The R4131 series features a maximum input sensitivity of  $-116$  dBm, a dynamic range of 70 dB and a skirt characteristics of  $-80$  dBc or better.

Especially, the D type analyzer provides AFC (Automatic Frequency Control), enabling highly stable spectrum analysis.

The TR4153A/4153B and TR4154 Tracking Generators can be added to these analyzers to enable frequency-characteristic measurements with a wide dynamic range. For use in measuring systems, GPIB is as standard, as well as direct plotting and video output for use in system applications.

### ■ 10 kHz to 3.5 GHz Coverage in a 10 kg Package

The R4131, weighing just 10 kg, covers the wide frequency range of 10 kHz to 3.5 GHz, and is designed for both high performance and portability. The R4131 can be used in such diverse applications as 3rd harmonic measurements of 900 MHz-band mobile radio equipment, received field strength measurements of satellite broadcasts and evaluation/maintenance of CATV systems.

### ■ Choose from 4 Models, Depending upon Your Application.

The R4131 consists of 4 models, enabling selection for various application requirements. All models feature high performance and set of features and functions for various applications.

	R4131C	R4131CN	R4131D	R4131DN
Frequency range	10 kHz to 3.5 GHz			
Input impedance	50 $\Omega$	75 $\Omega$	50 $\Omega$	75 $\Omega$
Center frequency display accuracy	$\pm 10$ MHz		$\pm 100$ kHz	
Positive/negative display	N/A		YES	
Field strength measurement	standard		standard	
Quasi-peak value measurement	standard		standard	
GPIB	standard		standard	
Occupied band width measurement	N/A		Optional	N/A

### ■ Save/Recall Function for Conditions and Waveforms

The R4131 Series has a save/recall function which operates for not only measurement condition settings but for waveforms as well. Three sets of conditions and waveforms are stored and recalled. The enables a stored waveform to be used as a reference in comparison measurements at different locations. Independent from this function, is an auto-recall function that serves to automatically set the desired measurement conditions when power is switched on, a great convenience in making onsite measurements.

### ■ Video Signal Modulation Analysis