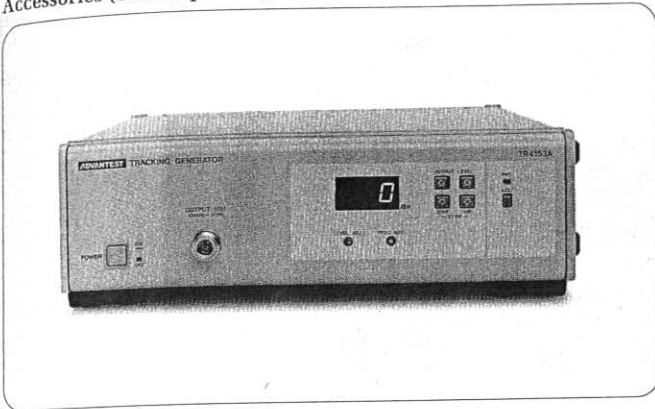


## Accessories (Sold Separately)



## TR4153A Tracking Generator

When used with the R4131 Series Spectrum Analyzers, TR4153A Tracking Generator lets you measure frequency characteristics up to 2000 MHz. Because it can generate signals that precisely comply with the sweep frequencies of spectrum analyzers, you can measure a wide dynamic range of the frequency characteristics of filters and amplifiers.

When used with the R4131 series Spectrum Analyzers, the TR4153A Tracking Generator ensures more precise measurement because its normalize function eliminates errors due to cables and other devices used in the measuring system.

In addition, because the TR4153A incorporates a 10 dB-step attenuator, it is ideally suited for amplifier measurements for which the input level of the measured object (DUT) must be attenuated.

### Specifications

**Frequency range:** 100 kHz to 2 GHz

**Output impedance:** Approx. 50  $\Omega$

**Output VSWR:** 1.5 max. (at -10 dBm output)

**Output level flatness:**  $\pm 1$  dB max. (with respect to 200 MHz output, over an output level range of 0 to -59 dBm and frequency range of 100 kHz to 2 GHz)

**Output level variable range:** 0 to -59 dBm in 1 dB steps (continuous adjustment over the range 0 to 1.5 dB or greater using the level adjustment)

**Output level switching accuracy:**  $\pm 0.2$  dB/1 dB (0 to -9 dB)  $\pm 1.0$  dB/10 dB (0 to -50 dB)

**Spurious output components:** Harmonics  $\leq 20$  dBc, non-harmonics  $\leq 30$  dBc (at 0 dBm output)

**Tracking generator leakage:** -110 dBm

**GPIB:**

Standard functions enables remote control and data output

### General Specifications

#### Operating environment:

Temperature 0 to 40°C, Humidity 85% max. RH

**Power requirements:** 90 to 132 V, 198 to 250 V

**Power consumption:** 50 VA max.

**Dimensions:** Approx. 300(W)  $\times$  90(H)  $\times$  440(D) mm

**Mass:** 10 kg max.

### Standard Accessories

Name	Model	Product code	Remarks
Power cable	A01402		
Output cable	M1-04		UG-21D/U N-N connector
Connecting cable	A01002		SMA-SMA connectors, 2 cables
Connecting cable	M1-02		UG-88/U, BNC-BNC connector