

## Spectrum Analyzers *(cont'd)*

### IFR

#### IFR A8000 2.6 GHz Spectrum Analyzer

The A8000 is a 100 kHz to 2.6 GHz analyzer with 300 Hz resolution bandwidth. Frequency span ranges are selectable from 1 kHz/div to 200 MHz/div in a 1-2-5 sequence. It has a 70 dB dynamic range with selectable amplitude units of dBm, dBV, V, dBW. Menu driven, the A8000 offers six operating mode choices: average; compare; store; recall; live; and peak hold trace. Display mode menu selections are line, bar, and reference. Menus, graticules, and traces can all be displayed concurrently, permitting uninterrupted viewing of the trace. The optional AM/FM/SSB receiver with 2  $\mu$ V sensitivity permits off-the-air audio monitoring. The optional tracking generator has a frequency range of 100 kHz to 2.5 GHz, and a 0 to -70 dBm output. Portability is enhanced by the optional internal rechargeable battery. Net weight 48 lb. Available with the following Options:

- 01: Internal Rechargeable Battery
- 02: Tracking Generator
- 04: FM/AM/SSB Receiver

### Tektronix

#### Tektronix 2710 1.8 GHz Spectrum Analyzer

Basic frequency coverage is 10 kHz to 1.8 GHz. On-screen dynamic range is 80 dB, and a built-in preamp yields up to -139 dB sensitivity. Available resolution bandwidths are 5 MHz, 500 kHz, 30 kHz, 3 kHz, and 300 Hz with Option 01. It can display up to four traces at once, and up to four traces may be saved in internal memory. Built-in AM/ FM detectors, an audio amplifier, and a speaker give the performance of a fixed-tuned receiver. Net weight: 20 lb. Options available in various configurations:

- 01: 300 Hz Resolution Bandwidth, Phaselock Stabilization, and  $5 \times 10^{-7}$  Frequency Accuracy
- 02: Internal Frequency Counter (with 1 Hz readout resolution)
- 03: GP-IB Interface
- 04: Internal Tracking Generator
- 06: Operation from Supplied Battery Pack/Inverter
- 07: 2704 Inverter and 2705 Battery Pack
- 09: Centronics Interface
- 10: TV Video Monitor Mode (gives rasterized video on the 2710 CRT)
- 11: User-Definable Key/Front-Panel Programming Capability, Nonvolatile Storage of Front-Panel Settings, User-Definable Key Sequences, and A,B,C Nonvolatile Stored Displays
- 33: Travel Line Package (Includes rubber moldings, accessory pouch, front-panel cover, and carrying strap.)

#### Tektronix 2712 1.8 GHz Spectrum Analyzer

This portable 9 kHz to 1,800 MHz spectrum analyzer provides: a built-in frequency counter; -127 dBm sensitivity (-80 dBmV) at 300 Hz resolution bandwidth; full programmability; analog and digital displays; and enough memory for 108 saved displays. It includes TV line and field trigger,



plus up to 1 second sweep speed for detailed time domain analysis.

With built-in AM/FM detectors, audio amplifier, speaker, and headphone, the 2712 can be used for signal identification and troubleshooting in communications applications. Units configured with the optional quasi-peak detector make fully compensated field strength measurements using the dBV/m Mode. Direct reading of dBV/m markers eliminates math and enhances measurement repeatability. Together with a portable antenna kit, such as the AH Systems AK-2G, the 2712-12 Analyzer is capable of FCC and VDE pre-qualification testing and FCC CLI testing. Net weight: 22 lb.

Options available in various configurations include:

- 04: Internal Tracking Generator
- 07: 2704 Inverter and 2705 Battery Pack
- 10: Video Monitor Mode
- 12: Quasi-peak Detector
- 14: Adds 1 kHz, 10 kHz, 100 kHz, and 1 MHz RBW Filters
- 33: Travel Line Package (Includes accessory pouch, carrying strap, and vinyl rain cover.)

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