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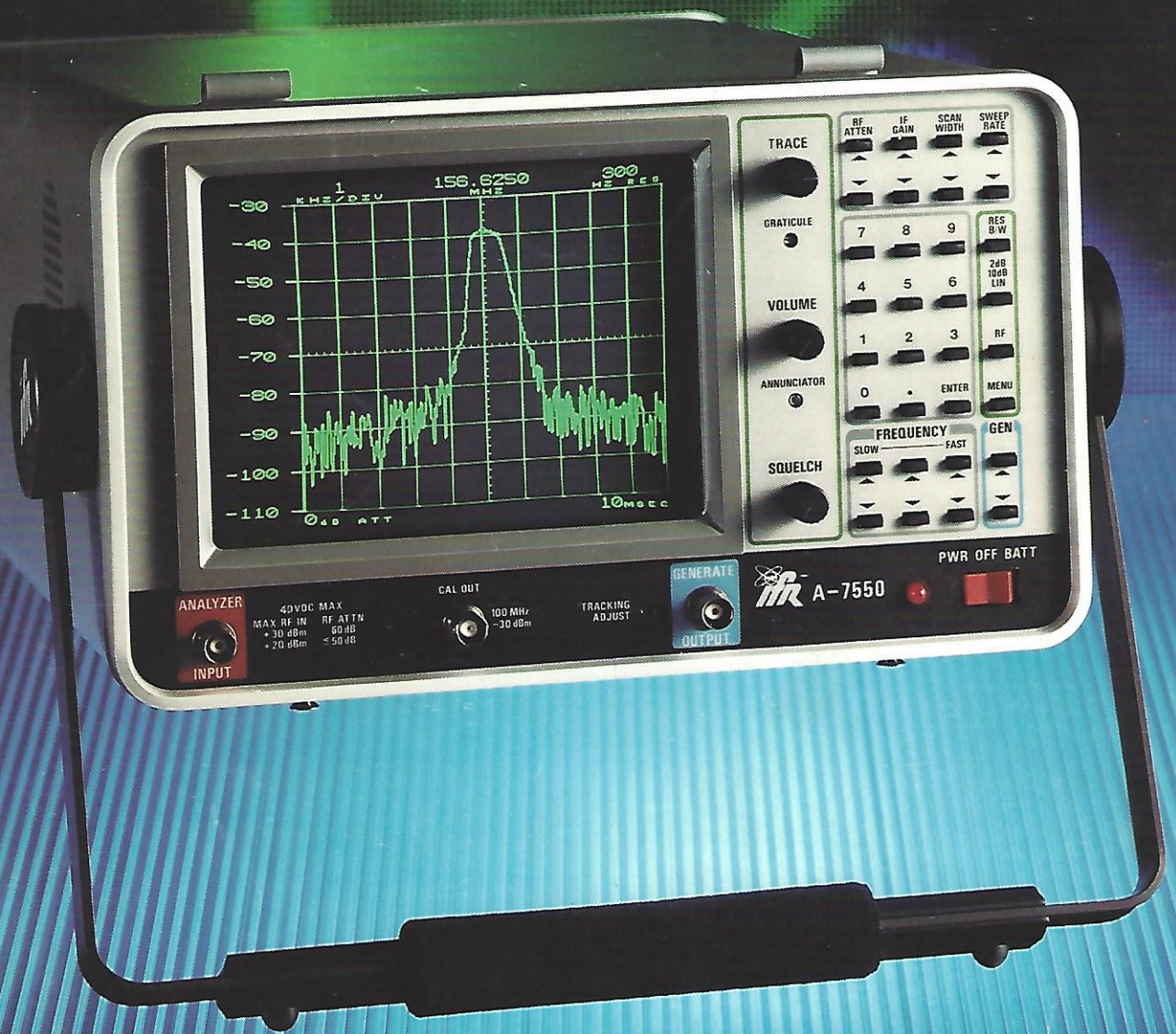
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The A-7550
Spectrum Analyzer



A new dimension in portable, digital Spectrum Analyzers

The A-7550
Spectrum Analyzer

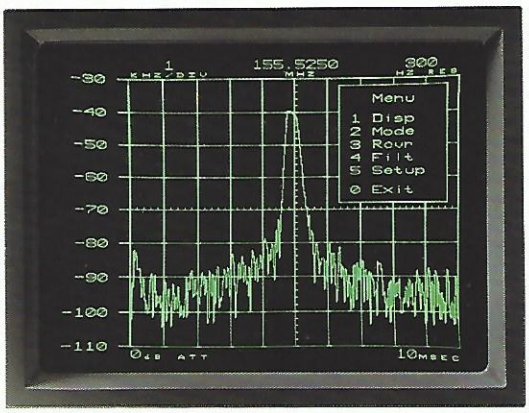


Impressive Standard Features Include:

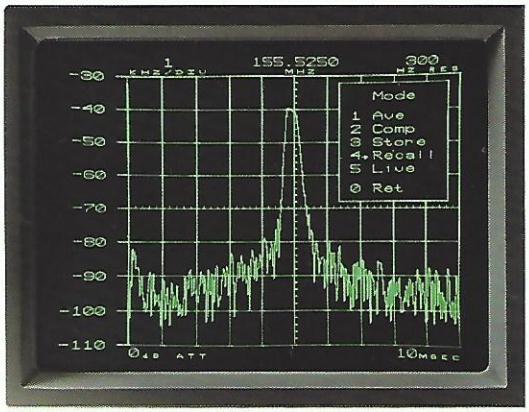
- 100 kHz to 1 GHz frequency coverage
- VRS™ (Vertical Raster Scan) CRT display
- Single function keyboard entry
- Menu driven display modes
- Automatic amplitude calibration
- Selectable linear/log display modes
- Digital storage of all displayed parameters
- 70 dB dynamic range
- 300 Hz resolution bandwidth
- 50/75Ω selectable input impedances *(Optional)*
- 16 selectable scan widths
- Accurate center frequency readout
- Direct center frequency entry
- Automatically scaled electronic graticule
- Variable top scale reference (+30 to −95 in 1 dB steps)
- IF gain in 1 dB steps
- Line, Bar, average and compare display modes
- 300 Hz and 30 kHz video filters

Single Function Keyboard Entry and Menu Drive in portable Spectrum Analyzer versatility.

sample menus

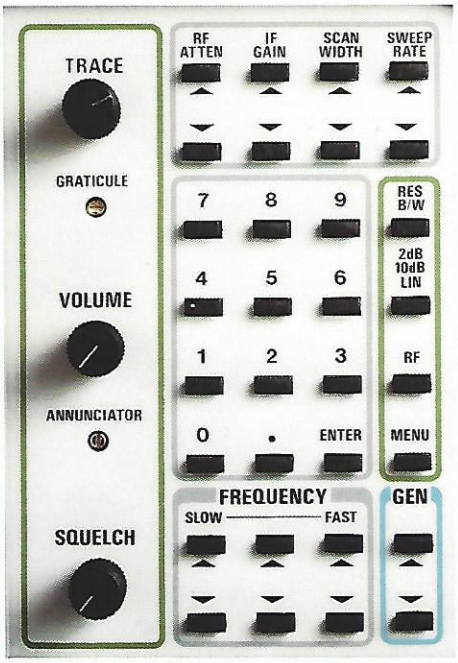


MASTER MENU The A-7550 master menu is addressed by depressing the "menu" key. All other *branch* menus are selected by single digit entry from the analyzer's keyboard.

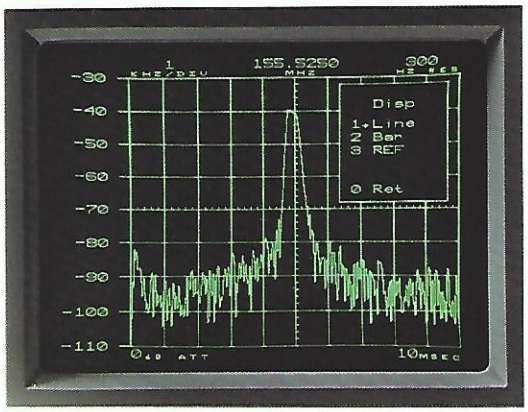


MODE MENU The mode menu enables the user to select any of five various operating modes consisting of average, compare, store, recall or live trace modes.

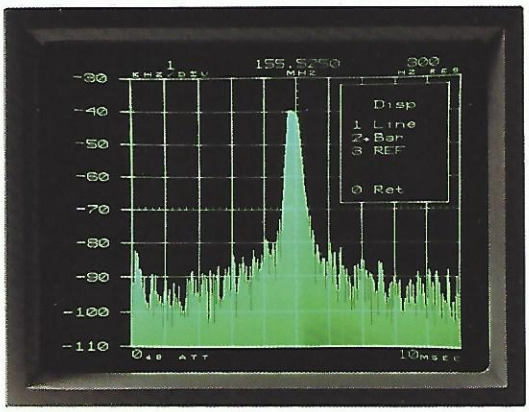
GRATICULE LABELS



Options — *An internal tracking generator may measuring response characteristics of such de amplifiers, duplexers, combiners, etc.*



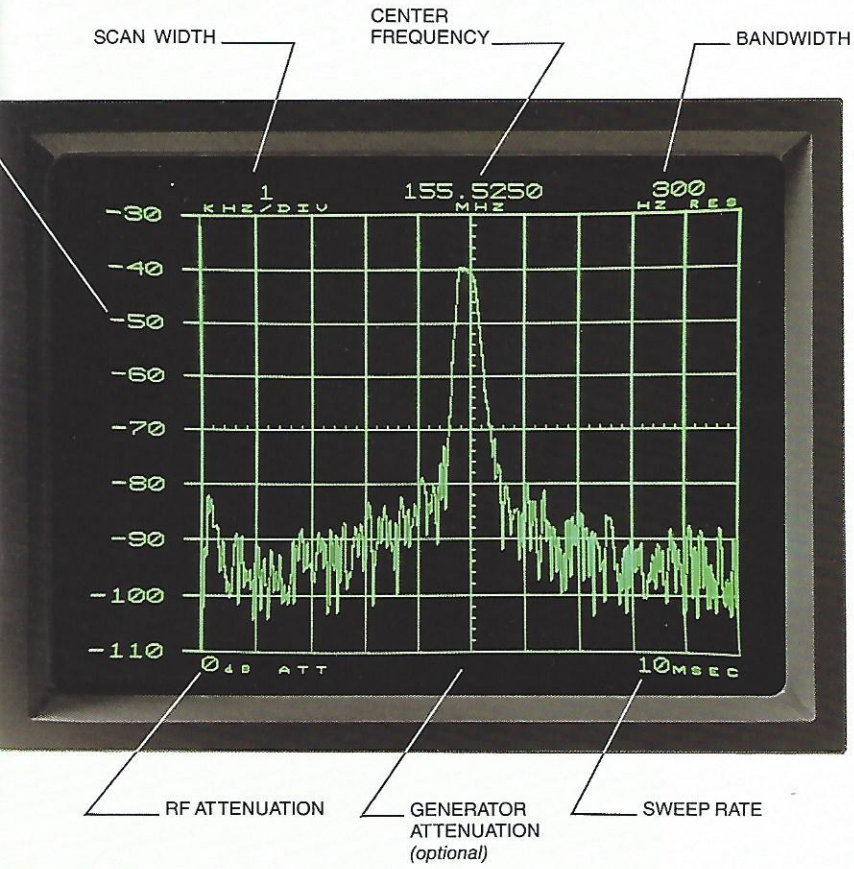
Line Mode



Bar Mode

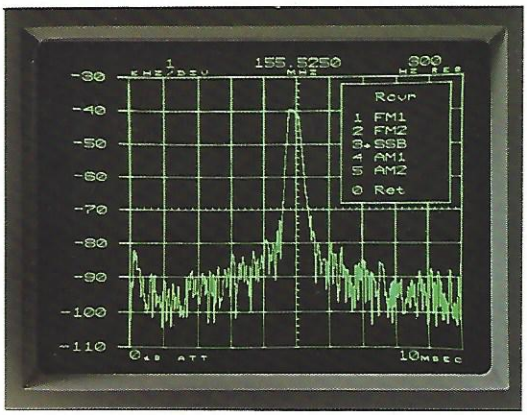
DISPLAY MENU From this menu the operator can select the desired method of trace displays consisting of line, bar and reference.

n Display Modes constitute a new standard

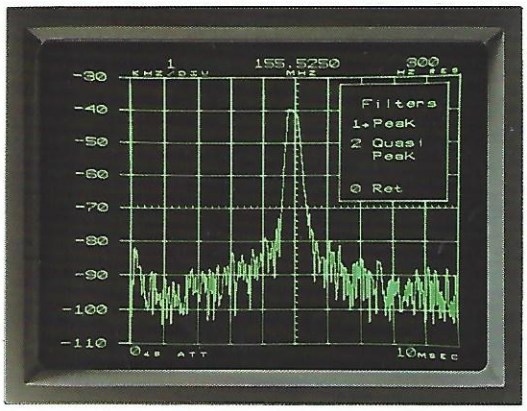


e installed for ces as filters,

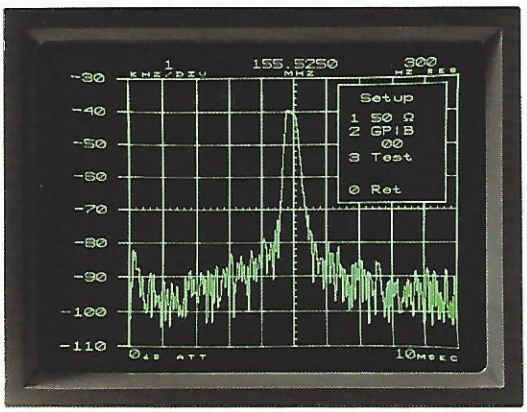
A sensitive 2 µV FM/AM receiver with selectable bandpass filters may also be internally installed for audible monitoring of displayed signals.



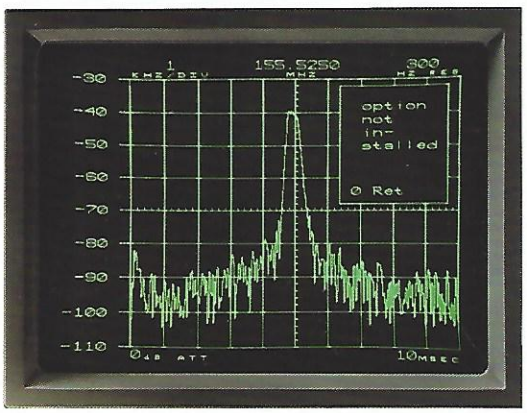
RECEIVER MENU From this menu the operator can select one of five individual bandwidth filters for off-the-air audio monitoring of FM, AM or SSB signals. (Optional)



FILTER MENU Peak or optional quasi-peak filters are selectable from the A-7550 filter menu. When selected, other menus aid the operator in the selection of video filters or time constants.



SETUP MENU The setup menu is used to set the initial configuration of the A-7550; i.e., 50 or 75Ω impedance, GPIB address, test, etc.



OPTION NOT INSTALLED When an attempt has been made to access an option which is not currently installed in the A-7550, the analyzer prompts the user that the option requested has not been installed.

The A-7550 Spectrum Analyzer by IFR

is the most advanced low cost portable spectrum analyzer on the market today. Two powerful microprocessors, menu driven display modes and single function keyboard entry aid the user in the operation of all analyzer functions.

A unique digitized vertical raster scan (VRS™) CRT system is used as the display for the A-7550. This system allows the operator to view most analyzer parameters simultaneously while monitoring an active or stored trace.

RF frequencies may be manually entered via the front panel numeric keyboard for immediate center frequency selection from 100 kHz to 1 GHz, or by use of the frequency slewing keys for convenient analyzer operation. The absolute rate of the frequency slewing keys is automatically programmed for the scan width selected, to provide for smooth control of the analyzers center frequency without drift or wobble. The frequency readout of the A-7550 is an accurate representation of center frequency for exact frequency location and identification.

To further enhance the operational simplicity of the A-7550, the microprocessor system automatically selects and optimizes the analyzers bandwidth, sweep rate, center frequency display resolution and the rate of the frequency slewing keys. An operator override is also provided when non-standard settings are required, then with a touch of a button, the A-7550 will resume the optimized positions.

Single function keyboard entry and menu driven display modes constitute a new standard in portable spectrum analyzer versatility. All special functions of the A-7550 are selected from menus which can be displayed concurrently with graticule and trace information for uninterrupted viewing of analyzer parameters.

The A-7550 truly is a portable spectrum analyzer. The compact size and rugged construction express these attributes at first glance. An optional self-contained rechargeable battery pack and standard provisions for external D.C. make the analyzer highly suitable for remote field applications where no A.C. power source is available.

In order to further expand the applications of the A-7550, several options are available for configuring the analyzer's capabilities to your special needs.

An internal tracking generator, sensitive FM/AM 2 μV receiver with band select filters, selectable 50/75Ω input, quasi-peak detector along with IEEE-488 or RS-232 interfaces form an impressive list of options only found currently with analyzers which far exceed the price of the A-7550.

Features...Performance...Dependability...the A-7550 portable Spectrum Analyzer by IFR — *innovative accomplishments in design.*

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