



FEATURES

- Up To 3 Selectable IF Input Center Frequencies: 21.4, 160 and 250 MHz
- High Sensitivity: -90 dBm
- Small Size: 1-3/4 Inches High, Half Rack

DESCRIPTION

The Model 695A IF Display provides the viewer with the spectrum display of a single input which may be centered at either 21.4, 160 or 250 MHz. Configurations which allow the operator to select, via a front panel switch, one of two or one of three of these frequencies are available as an option. User specified IF input frequencies are also available.

The display features high sensitivity, high intercept point and high resolution to allow the operator to easily view closely spaced signals. It provides front panel selection of either linear or log display and a built-in marker to indicate the center of the pass band.

The Model 695A IF Display is packaged in a compact 1-3/4 inch high half-rack chassis. The Model 695A IF Display can serve as a companion unit to the Model 685A VHF Receiver. Single units require a Model 697-1 Rack Adapter, or two units may be fastened together for mounting in a standard 19-inch rack. The Model 695A IF Display is designed to meet exceptional EMI/RFI requirements.

SPECIFICATIONS

Number of Inputs	One
Input Center Frequency	21.4, 160 or 250 MHz (specify)
Number of Displayed Input	One - Standard Two or three (switch selectable)-
Center Frequencies	Optional
Input Impedance	50 ohms
Sweep Width (Nominal)	8 MHz for 21.4 MHz IF input 40 MHz for 160 and 250 MHz IF inputs
Sweep Rate (Nominal)	5 to 25 Hz
Sensitivity	-90 dBm
Gain Control	60 dB for 21.4 MHz IF input 50 dB for 160 or 250 MHz IF inputs
Display Modes	Log or Linear (switch selectable)
Resolution	40 kHz (other values available on special order)
Image Rejection	60 dB for 21.4 MHz IF input 45 dB for 160 and 250 MHz IF inputs
IF Rejection	60 dB

3rd Order Input Intercept Point	+5 dBm
Connector - Rear Panel	Input - BNC
Controls Front Panel	LOG/LIN, SWEEP, WIDTH, SWEEP RATE, GAIN, MARKER, FOCUS, INTENSITY, Vertical and Horizontal Centering, POWER Input Select - Optional
Rear Panel	FORWARD/REVERSE SWEEP
CRT	Electrostatic, 1-1/8 inches by 3 inches
Power	115/230 Vac, 47-420 Hz, 43 W - Standard, 28 Vdc - Optional
Temperature - Operating Style	0° to 50° C Half-rack chassis, 3-1/4 inches high by 20 inches deep, EIA rack adapter available
Weight	15 lbs.

Specifications are subject to change without notice and may vary depending upon options selected.

ORDERING INFORMATION

A Standard Model 695A IF Display displays the spectrum of one IF input center frequency, either 21.4, 160 or 250 MHz (specify) and has a 115/230 Vac, 47 to 420 Hz power supply. Configurations with two or three switch selectable IF input center frequencies are available as options. A 28 Vdc power supply is available as an option. When ordering, please specify:

Model 695A	IF Display	Option S08	Three Switched Inputs (21.4, 160 and 250 MHz)
Option S01	Switchable Dual Input	Option P02	28 Vdc Power Supply
Option S07	Two Switched Inputs (specify IF: 21.4 and 160 or 250 MHz)	Option U01	685A Receiver System

Rack Mounting: Single units of the Model 695A IF Display must be mounted using a Model 697-1 Rack Adapter. For side-by-side installation, two units can be fastened together and mounted as a single full-rack unit. Alternately, units can be installed using a Model 699 Rack Adapter, which allows each unit to slide in and out of the rack adapter.

697-1	Rack Adapter, single half-rack units	699-1	Rack Adapter - 2 x 1: two half-rack units, side-by-side
Option H01	Blank Front Panel	699-2	Rack Adapter - 2 x 2
Option H03	Solid Covers	699-3	Rack Adapter - 2 x 3
Option H04	Perforated Covers		

WARRANTY

All of Reaction Instruments' equipment is warranted for one year, except for damage caused by accident or misuse, provided the equipment is returned for repair to the plant in Herndon, VA


Adams Russell
REACTION INSTRUMENTS, INC.
 475 Springpark Place, Herndon, VA 22070
 (703) 471-6060 FAX (703) 471-4847

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