

PANORAMIC DISPLAY UNIT Product Brochure



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 **Dynamic Sciences International, Inc.**

PANORAMIC DISPLAY UNIT

The R-110-40A Pan Display provides a visual presentation of the receiver input frequency spectrum. The unit features a large, easily viewed screen and an all analog implementation to minimize electrical interference.

The R-110-40A accepts an IF signal of 21.4 MHz and can be used with the R-110 family of receivers, or any other receiver with the same IF frequency. The display has an adjustable sweep width up to 8 MHz wide, permitting the user to monitor a large portion of the received spectrum.

The R-110-40A features convenient control knobs to facilitate operation. Gain, sweep rate, width (display resolution) and center controls are individually adjustable, and a switch provides fine and coarse resolution modes. A marker indicates the center of the IF, and either linear or log operation may be selected.

The Pan Display is contained in a small case suited for both tabletop and rack mounting. The unit is a "half-rack" design, and it can be mounted side-by-side with other units of similar dimensions, such as the DSH IG-1700 Programmable Impulse Generator.

R-110-40A Specifications

IF Input: 21.4 MHz (fc)

Max. Input Voltage: 1Vrms

Display Range: +/- MHz around fc 10 KHz (fine) and 50 kHz (coarse)

Linear Display: -95 dBm input for full scale deflection with max. gain

Log Display Range: -70 dBm for full scale with max. gain; -110 dBm input yields 10% deflection

Gain Control Range: 60 dB

Marker: Fixed, 21.4 MHz

Input Impedance: 50 Ohms

LO Radiation at Input: 50 dB min.

IF Rejection: 50 dB min.

Image Rejection: 75 dBm max

PHYSICAL CHARACTERISTICS

Size: 3.5" x 8.5" x 13", 8.9 x 22 x 33 cm, (H x W x D)

Weight: 9.2 lbs; 4.2 kg

Power Dissipation: 115/230 V, 10W X

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