

# R-110-40A Panoramic Display Unit

Product Brochure



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## 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.

## 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:** 60dB

**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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