

DIRECT FROM THE CURRENT ISSUES OF P.F. REPORTER  
MAGAZINE TO FULFILL YOUR SERVICING NEEDS!

# New Dual TV Bias Supply

## SENCORE BE113

can be used either way . . . .

- As a single 0 to 20 volts DC bias supply.
- As two separate 0 to 20 volts DC bias supplies—without interaction.



### Here's why a dual TV Bias supply is used for alignment!

**DAN:** Do you use a scope for this check?

**BILL:** Yes, Dan; take a look at these alignment instructions for the set we're going to check out. [Fig. 1] What equipment are we going to need?

**DAN:** Uh—sweep generator, marker generator, scope, and—I guess that's all!

**BILL:** Almost all, but look up near the top; doesn't it mention something about bias voltage?

**DAN:** Oh, I see. It says, "Connect the negative lead of a 1.5-volt bias supply to point A. Positive to chassis. Connect the negative lead of a 3-volt bias supply to point B. Positive to chassis."

**BILL:** Okay. This commercial bias pack will supply both voltages.

**JOHN:** Why do you have to apply bias at two places?

**BILL:** This set has a keyed AGC system, and so the AGC network has separate RF and IF branches. We've got to control 'em both.

August 1960, Page 22  
PF Reporter



Sencore Sam says . . . .

Save time in AGC trouble shooting and when aligning TV sets. Here is a special low impedance bias supply that instantly provides all TV biases recommended in photofact schematics and by all TV manufacturers.

### Hundreds of articles recommend a bias pack for AGC trouble shooting . . . in this case a dual supply . . .

#### No Snow — No Noise

Which is it — IF, AGC, or video trouble? If you get snow and noise off channel, there's too much AGC. This can also be easily checked by disconnecting the antenna to see if you can obtain a snowy picture. Clamping both of the AGC lines with minus 1.5 volts for the RF, and minus 3 volts for the IF, will verify whether or not the trouble is improper AGC action. If it is, a scope and VTVM are your best tracing tools.

January 1961, Page 64  
PF Reporter

The BE113 is a sure fire answer for fast TV servicing, experimental work, calibration of instruments, or any phase in the electronic field where bias batteries are used. Just plug it in and it is ready to go. No more need to worry about run down batteries, hooking & unhooking of test leads or wasting time "rigging up" variable DC Voltage for test purposes. The BE113 is extremely well filtered providing virtually pure DC with less than one tenth of one percent ripple. Calibration accuracy is better than equivalent battery tolerance.

Ask your Sencore Distributor  
to show you the BE113. ONLY

12<sup>75</sup>

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