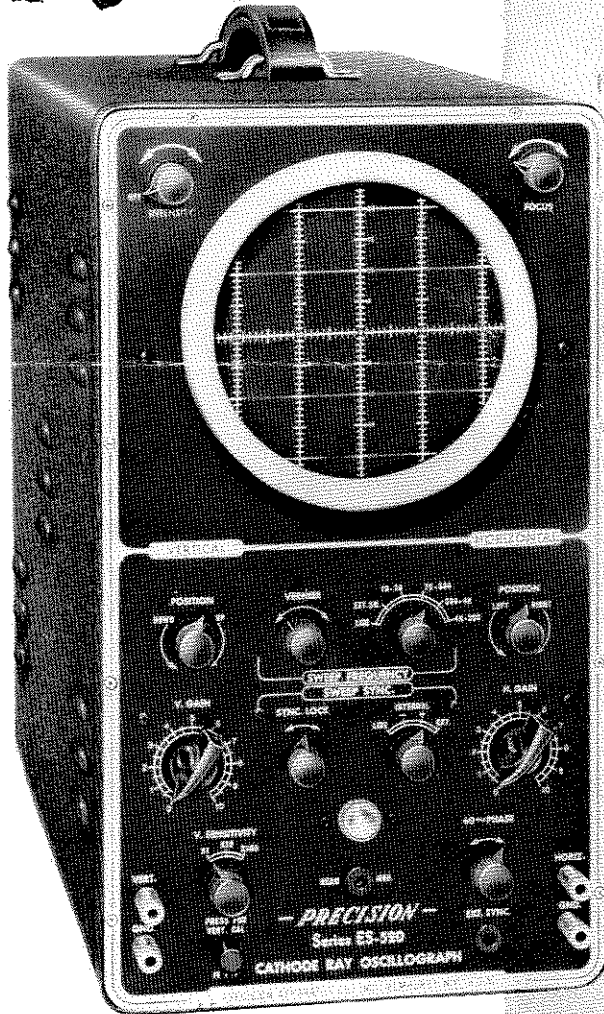


# NOW AT LAST...



## A Reliable, General-Purpose 5" OSCILLOSCOPE

Priced  
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### The NEW **PRECISION** MODEL **ES-520**

The new ES-520 is **PRECISION**-engineered in response to long and growing demand for a reliable, factory-made, general purpose 'scope at a price within reach of all to whom initial investment is of extreme importance.

The ES-520 conforms to every **PRECISION** standard of quality, workmanship and performance. It is a completely factory-engineered, factory-wired and factory-calibrated instrument... ready to go to work for you the moment you take it out of its carton!

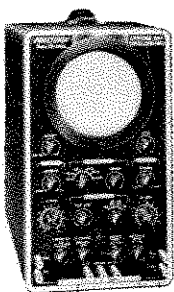
#### SPECIFICATIONS

- ★ Push-Pull vertical drive. 20 millivolts per inch sensitivity.
- ★ 3-Step, frequency-compensated, vertical input attenuator.
- ★ Vertical frequency response 20 cycles to 500 KC within 2 DB
- ★ 1 volt, peak-to-peak, built-in vertical voltage calibrator.
- ★ Excellent vertical square wave response from 20 cycles to 50 KC.
- ★ Push-pull horizontal drive. 50 millivolts per inch sensitivity.
- ★ 'H' frequency response 20 cps to 200 KC within 3 DB (at full gain).
- ★ Internal linear sweep 10 cycles to 30 KC. Neg. and pos. sweep synch.
- ★ Tube Complement: 12AU7 'V' cathode follower and amplifier, 6C4 phase-splitter, 12AZ7 push-pull 'V' drive. 6AB4 'H' amplifier, 12AZ7 push-pull 'H' drive. 12AU7 sweep oscillator. 6X4 rectifier, 1V2 high potential rectifier, NE-51 calibration regulator, 5U1 CR tube.
- ★ Built-in 60 cycle sine-sweep phasing control.
- ★ Beam modulation input terminal at front of panel.
- ★ All 4 deflection plates directly accessible at rear.
- ★ Filter-type, removable, calibrated graph-screen.
- ★ Etched, anodized, heavy gauge aluminum panel.

**SERIES ES-520:** In black ripple finished, rugged steel cabinet, 8¼ x 14½ x 16½". Complete with all tubes, including 5U1 CR tube. Comprehensive instruction manual. Code: Quest. Shipping weight: 30 lbs. Net Price: \$127.50.

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for performance, versatility and value—

the popular **PRECISION**



### **ES-500A** HIGH SENSITIVITY WIDE-RANGE 5" OSCILLOSCOPE

The famous ES-500A incorporates advanced engineering features and refinements so necessary to meet the more critical needs of modern electronic circuit analysis, AM, FM and TV.

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### **PRECISION** Apparatus Company, Inc.

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