

Which are the Tektronix Oscilloscopes?

Electronics November 6, 1959

A McGRAW-HILL PUBLICATION • PRICE ONE DOLLAR

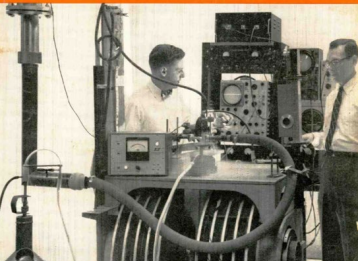
APRIL 25, 1958

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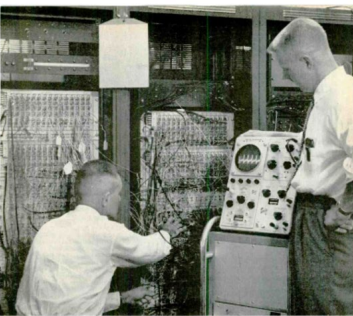
engineering edition

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Solid-State Moser Amplifier ... p 66



The University of Michigan, Dr. Thomas Blair Bell Associates and Michigan Scientific Equipment work out of their facilities in the North Campus Research Center at the University of Michigan.

IN SOUTHEASTERN MICHIGAN: A SCIENTIFIC CLIMATE FOR THE ELECTRONICS INDUSTRY

Electronic equipment in Southeastern Michigan has an excellent climate for the user. This climate is the result of the area's excellent educational facilities, its excellent technical and scientific resources, its excellent manufacturing base, its excellent transportation and communication facilities and its excellent climate for the user. This climate is the result of the area's excellent educational facilities, its excellent technical and scientific resources, its excellent manufacturing base, its excellent transportation and communication facilities and its excellent climate for the user.

DETROIT EDISON

Electronics April 19, 1963

Allen-Bradley hot molded resistors help achieve... **OPTIMUM PERFORMANCE CONTINUING RELIABILITY** for Tektronix Oscilloscopes

In designing oscilloscopes to meet the exceptionally high standards for laboratory work, Tektronix demands equally high performance from the components that use them. Allen-Bradley hot molded resistors are the optimum choice for this purpose.

The exclusive hot molding process—developed by Allen-Bradley—gives A.B. hot molded resistors such consistently uniform characteristics that their performance will be completely predictable during periods of maximum temperature fluctuations.

Allen-Bradley's famous Type V variable resistor—also made by A.B.—excludes hot molding process—thus assures strength, stability and resistance during adjustment as well as uniformity in the manufacturing of A.B. quality components, and it decreases with use.

You, too, can obtain the optimum performance, accuracy and reliability by using an Allen-Bradley. For full details on the many advantages of A.B. quality components, please write for Publication 6024, today.

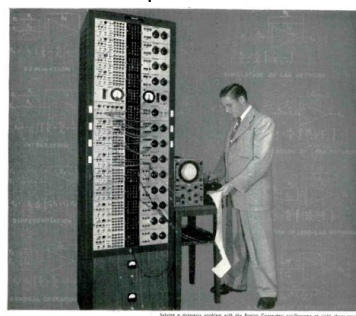


This shows the size of A.B. hot molded resistors used in the Tektronix Type 544 hot molded resistor. It is 30 mil. in diameter.

Type 544 (1/4 watt)	100 Ohm to 100k Ohm
Type 544 (1/2 watt)	100 Ohm to 100k Ohm
Type 544 (1 watt)	100 Ohm to 100k Ohm
Type 544 (2 watt)	100 Ohm to 100k Ohm
Type 544 (5 watt)	100 Ohm to 100k Ohm
Type 544 (10 watt)	100 Ohm to 100k Ohm

ALLEN-BRADLEY Quality Electronic Components

Electronics April 1952



What's it like to be a Boeing engineer?

Being a Boeing engineer is a lot like being a scientist. You'll find that you'll be working with the most advanced equipment available. You'll be working with the most advanced equipment available. You'll be working with the most advanced equipment available.


BOEING

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JULY - 1953

PRICE 75 CENTS




COMPUTER ASSEMBLY LINE

BOEING

Electronics April 3, 1959

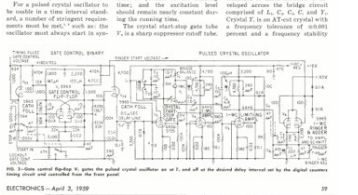
Radar Range Calibration



Big pulses are actually used. It is necessary to keep constant to the microwave. Because these three pulses to avoid unwanted feedback or backscatter at the crystal face. The gate pulse is applied through a delay line to the crystal. The crystal must be kept at a constant temperature. The gate pulse will start and stop the crystal oscillator.

Pushed Crystal Oscillator

For a pushed crystal oscillator to be used in a time interval shorter than a number of periods, the oscillator must be kept at a constant temperature.



Electronics June 1, 1957

TV Networks Air Test Signals

Use of vertical blanking interval permits test signals to be sent with picture transmissions

TRANSMISSION lines and equipment along the path of network television programs can now be checked during regular program transmissions by sending a test signal simultaneously with the picture. By placing the test information in the vertical blanking interval, the signal is made invisible to home viewers.

Since mid-April, both the American Broadcasting Co. and the National Broadcasting Co. have been making regular transmissions of experimental test signals.

Signal Types—ABC uses an amplitude-reference signal that defines black-reference and white-reference levels for monochrome transmissions. The signal utilizes two horizontal lines per field. Currently added only to programs originating from New York and scheduled for about 5 hours every weekday, ABC expects to have additional facilities at Hollywood and Chicago so the signal may be added on a continuous basis to programs from any of these points.

NBC is presently transmitting an RCA eight-line test and reference signal with all color programs originating in New York. The signal, which utilizes three horizontal lines, includes reference-white and 50-percent levels and permits checking 1 and Q phase, differential gain and transient response.

Because of the experimental nature, NBC inserts the test signal at master control. Both NBC and ABC intend to have the signal eventually inserted at the output of each camera or film chain.

Columbia Broadcasting System is not using the blanking interval for test signal transmissions, but expects to when an industry standard signal is adopted.

FCC Authorization—All test signal transmissions at the present time are based on the blanket authorization for experimental transmissions issued by the FCC last fall.

Still to be decided are the specifications for a standard signal for

Electronics May 8, 1959

SHOCK TEST PROBLEMS SOLVED

With the Hughes vibration test equipment, you can simulate any shock test condition. The shock test equipment is available in a wide range of sizes and capacities. It is designed to simulate any shock test condition. The shock test equipment is available in a wide range of sizes and capacities. It is designed to simulate any shock test condition.

HUGHES PRODUCTS

Electronics April 24, 1959

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HUGHES PRODUCTS

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