

TI LIBRORY

Manufacturers of

CATHODE - RAY OSCILLOSCOPES AND VIDEO TEST INSTRUMENTS

CAT 100 B

"SHORT FORM" CATALOG

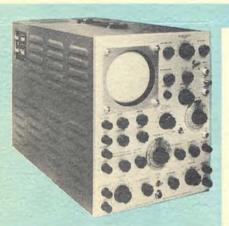
AUGUST 1951

THE SYMBOL OF EXCELLE



TYPE 511-AD OSCILLOSCOPE

The Tektronix Type 511-AD Cathode Ray Oscilloscope offers the desirable combination of the following characteristics: $5 \text{ cps}{-}10 \text{ mc.}$ bandwidth; $.1 \text{ } \mu \text{ sec/cm}{-}.01 \text{ sec/cm}$ sweeps; trigger sensitivity, pulses as short as $.05 \text{ } \mu \text{sec}$ duration and as .5 v amplitude; vertical deflection sensitivity from .25 v/cm to .200 v/cm; voltage calibrator from .25 v/cm to .200 v/cm; voltage calibrator from .25 v/cm to $.25 \text{$



TYPE 512 OSCILLOSCOPE

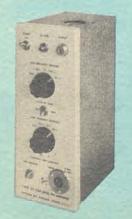
The Tektronix Type 512 Oscilloscope features: balanced, direct-coupled, push-pull amplifiers with sensitivity ranging from 5 mv/cm to 50 v/cm; bandwidth from DC to 2 mc; sweep range from 3 µ sec/cm to .3 sec/cm; differential input to amplifiers; 1 kc square wave voltage calibrator from 0 to 50 v in 9 ranges, 2% full scale accuracy; sweeps of 1.0 sec/cm and 3.0 sec/cm available on order. With its high stability, sensitivity, and accurate calibration of timing and amplitude, the Type 512 has gained exceptional and immediate acceptance in the fields of biophysical and geophysical research, as well as being an indispensable circuit development tool in the hands of the electronic engineer. Weight, 53 lbs. Price \$950.00.



TYPE 121 PRE-AMPLIFIER

The Tektronix Type 121 Pre-Amplifier was designed primarily to augment the vertical amplifier of the Type 511-A oscilloscope, providing an overall sensitivity of 2.5 mv/cm, while preserving the bandpass and transient response. May be used with other oscilloscopes or wide band equipment.

Voltage gain, 100; input imp., 1 meg, 20 $\mu\mu$ f; output, ± 1 v, 93 ohms; band pass, 5 cps, 12 mc; front panel supply socket, 6.3 v DC, 20-120 v DC; portable; self-contained power supply. 11 ½" high, 6" wide, 15 $\frac{3}{4}$ " deep. Weight 18 lbs. Price \$265.00.



TYPE 122 PRE-AMPLIFIER

The Tektronix Type 122 Pre-Amplifier has been designed as an accessory to the Type 512 Oscilloscope, for use in the biophysical, geophysical and other fields requiring additional sensitivity in the limited pass-band of 1/6cps-40 kc. At maximum gain, a $5\mu v$ signal will produce a 1 cm deflection on the oscilloscope. Use of the differential input gives a rejection ratio of 90 db for unwanted signals. A maximum of 20 v (peak-to-peak) is available at the cathode follower output. Multiposition switches permit separate control of both ends of the pass band. Battery operated for minimum noise level. Price \$85.00.



OSCILLOSCOPE

5" Cathode Ray Tubes • Direc gered or recurrent sweeps • S

Positive or negative internal augate available on front panel

 Individually adjusted for optiimage contrast under high ambient all aluminum construction — low w

TYPE 517 OSCILLOSCOPE

The Tektronix Type 517 is a wide band hic age cathode ray oscilloscope designed pr for the observation and photography of ve transients. It consists of two units, indicate power supply, mounted on a scope-mobile to up a convenient, mobile instrument. Features in

High writing rate, obtained by 24 kv accelerating tential on a metallized P11 CRT.

Eleven accurately calibrated sweep rates from .0' usec/cm.

Sweep triggered by abserved signals of 2 mm or amplitude.

Signal delay to permit observation of front of pul:
Distributed vertical amplifier with .007 usec ris
.1 v/cm sensitivity.

Cathode follower input probe with capacity after Pulse type amplitude calibrator with 6 ranges. A ±2%.

All supply voltages to indicator (including 24 heaters) electronically regulated.

Trigger rate generator, variable from 15 to 15,000
Panel switch to reduce accelerating potential to
giving twice above sensitivities and sweep rates.
Standard accessories: Scope-mobile, cathode for

Standard accessories: Scope-mobile, cathode f probe and attenuators, 170 ohm attenuator, hood.

Weight 175 lbs. Price \$3500.00.

TYPE 112 AMPLIFIER

The Tektronix Type 112 DC Amplifier was developed to be used with Tektronix or other oscilloscopes.

Same amplifier as in Type 512; self-contained regulated supply; 1kc calibrator; trigger output; marker input; output voltages,

input; output voltages, 150v high imp.; 75v, 8000 ohm load; av. output level, 150v and gnd. Weight 32 lbs., 153/4" high, 7" wide, 221/4" deep. Price \$495.00.

All Tektronix instruments are fully guarantee year. Should replacement parts be required, whet net prices, they will be shipped from the factory, within the continental United States and Canada.

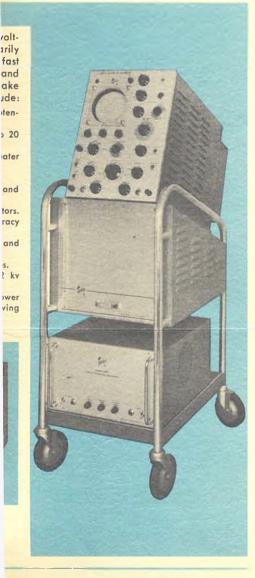
Prices shown are f

ICE IN INSTRUMENTATION



FEATURES

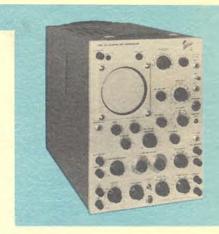
eading sweep dials • Single, trigeep speeds accurate to 5% or better
external triggering • Sweep and
I DC voltages electronically regulated
im transient response • Excellent
th conditions • Electrically welded
ght.



against defective materials and workmanship for one rat no charge under warranty terms or at established air transportation upon request, prepaid to any point

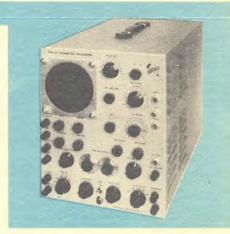
TYPE 513-D OSCILLOSCOPE

The Tektronix Type 513-D Oscilloscope has the following features: high writing rate CRT with regulated accelerating potential of 12 kv (+10 kv and —2 kv); distributed type vertical amplifier, DC to 20 mc; maximum deflection sensitivity of 30 mv/cm; trigger rate generator with 5 fixed pulse rate frequencies of .2 kc, .5 kc, 1 kc, 2 kc and 5 kc; a 1 kc square wave voltage calibrator from 0 to 50 v in 6 ranges, 2% full scale accuracy; other specifications similar to those of Type 511-A. This instrument is extremely useful in random pulse work where high writing rate is essential. Weight 70 lbs. Price, Type 513-D, \$1650.00. Type 513 (without delay network) \$1600.00.



TYPE 514-D OSCILLOSCOPE

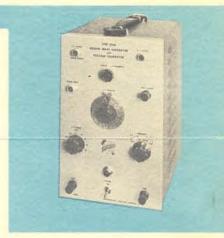
The Tektronix Type 514-D Oscilloscope offers the high frequency range of the Type 511-A with the additional advantages of direct-coupled vertical amplifier. Specifications: band-pass DC to 10 mc at .3 v/cm, and 5 cps to 10 mc at .03 v/cm; .1 μ sec/ cm to .01 sec/cm sweep range; square wave voltage calibrator variable from 0 to 50 v in 6 ranges, 2% full scale accuracy; undistorted deflection of 4 cm (=2 cm); accelerating potential of 3 kv (+ 1.5 kv and -1.5 kv); other specifications similar to those of Type 511-A. The Type 514-D admirably meets the requirements of those who do not need the higher writing rate of the Type 513-D, but require its direct-coupling and high sensitivity. Weight 62 lbs. Price: Type 514-D \$950.00; Type 514 (without delay network) \$900.00.



TYPE 104A SQ. WAVE GENERATOR

The Tektronix Type 104-A is a low cost generator of precision square waves with four fixed frequencies in the ranges most used to test wide band amplifiers and oscilloscopes. Its use in conjunction with any of the above oscilloscopes permits the transient response of an amplifier to be readily observed. Controls are provided enabling use of LF output as voltage calibrator, 5 mv to 50 v in 9 ranges, 2% full scale accuracy.

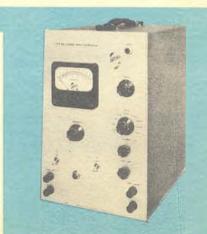
Frequencies: LF 50 cps, 1 kc; HF 100 kc, 1 mc; rise time, LF 3μ sec; HF .02 μ sec; amplitude, LF 0-50 v; HF 0-5 v output load, LF 0-20 k; HF 0-93 ohms; portable. Weight 18 lbs. Price \$195.00.



TYPE 105 SO. WAVE GENERATOR

The Tektronix Type 105 Square Wave Generator is an extremely versatile precision instrument for checking transient response and bandwidth (25 cps 20 mc) of amplifiers, filters, attenuators, etc. Regulated DC supply, direct reading frequency meter, small size, and other features all combine to make this instrument a necessity for any well equipped laboratory.

Frequency: 25 cps to 1 mc variable; risetime, .02 μ sec if load is 93 ohms or less; amplitude, 100v maximum; 15v across 93 ohms; accuracy of frequency meter, 3% of full scale; sync voltages, output 5v; input 3v—50v. Weight 35 lbs. Price \$395.



OUR CONTINUING CREED

is that of serving Tektronix customers with products and policies that are unexcelled in the electronics industry and limited only by the current state of the art.

For Detailed Specifications Please Contact Nearest Representative or Tektronix, Inc.

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