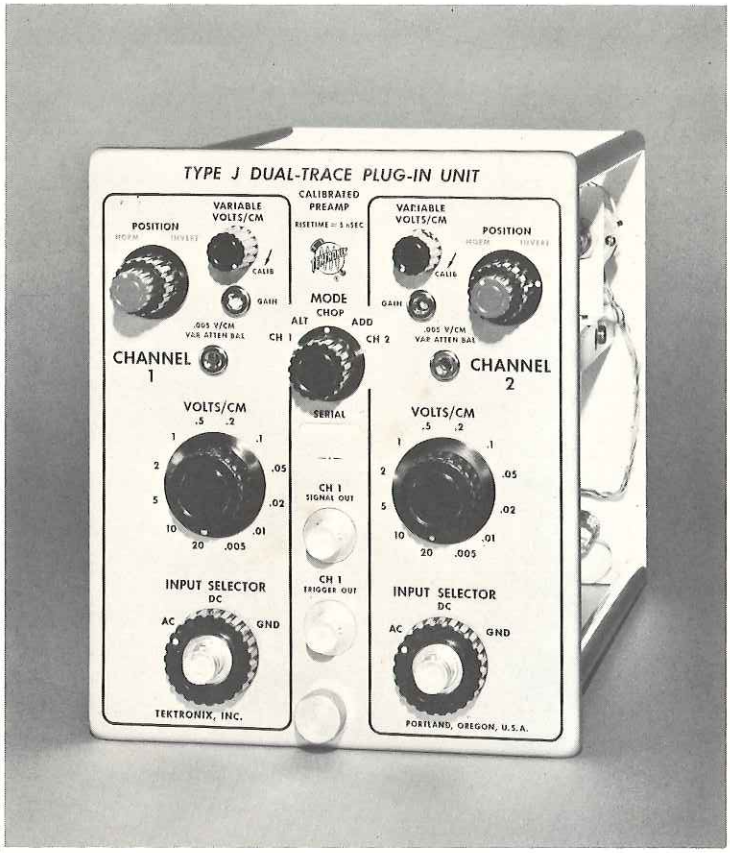
tentative

TYPE J DUAL-TRACE PLUG-IN UNIT

The Type J Plug-In Unit is a high-gain, fast-rise unit for Tektronix Oscilloscopes that accept Letter-Series Plug-In Units. Its identical input channels can be used to simultaneously observe the response of two circuits to the same pulse, the input and output waveforms of a circuit, and many other dual-trace operations.



RISETIME of the plug-in unit at 5 mv/cm, when used with Type 541A, 543A, 545A, or 555 Oscilloscope is approximately 10 nsec; passband is dc to approximately 35 Mc (3-db down).

5 OPERATING MODES include Channel 1 only, Channel 2 only, Chopped (free-running electronic switching between channels at a 1-Mc rate), Alternate (triggered electronic switching between channels at the end of each sweep), and Added Algebraically (±Channel 1 ±Channel 2).

SENSITIVITY from 5 mv/cm to 20 v/cm is in 12 calibrated steps with 1-2-5 sequence, accuracy within 3%. A variable control permits continuous adjustment uncalibrated from 5 mv/cm to approximately 50 v/cm.

POLARITY INVERSION for both channels can be used to compare signals 180° out of phase.

AC or DC COUPLING or grounding of the input is controlled from the front panel. With ac coupling the low-frequency 3-db point is 2 cps.

INPUT IMPEDANCE is 1 megohm paralleled by approximately 15 pf.

CHANNEL 1 SIGNAL OUTPUT is available at the front panel with up to 10X amplification. Output is greater than 50 mv for each centimeter of displayed signal. The Channel 1 output can be fed into the Channel 2 input to provide approximately 500 μv/cm sensitivity at a 2-cps to 15 Mc passband. Passband of the Channel 1 output alone is dc to greater than 40 Mc. Output impedance is 50 ohms.

CHANNEL 1 TRIGGER OUTPUT is available at the front panel with up to 100X amplification. Output is greater than 0.5 v for each centimeter of displayed signal. Passband is dc to 10 Mc.

Price and Availability will be released later.

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TEKTRONIX, INC.
P. O. BOX 500 BEAVERTON, OREGON

TRANSITION FROM ENGINEERING MODEL TO PRODUCTION MODEL MAY REQUIRE MINOR SPECIFICATION CHANGES. FINAL SPECIFICATIONS WILL BE RELEASED LATER.