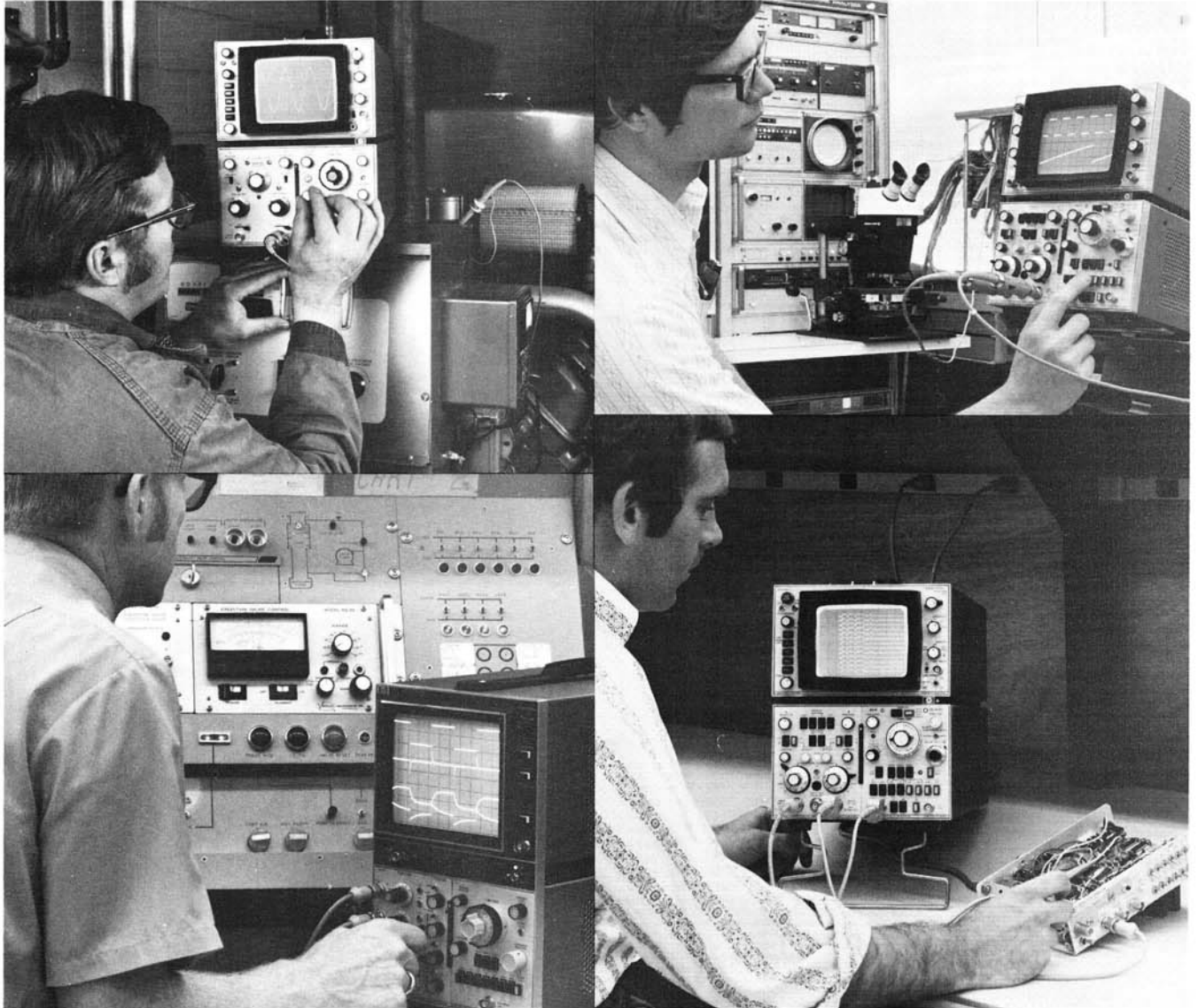


OSCILLOSCOPES

General purpose plug-in scopes, to 18 GHz

Model 180 series



Introduction

The 180 plug-in oscilloscope system has established high performance in 100 MHz and 250 MHz real time and 18 GHz sampling applications for general purpose laboratory measurements. These compact, reliable, solid-state oscilloscopes are ideal for all types of low, medium, and high frequency measurements. Performance in the 180 system means overall capability, not just maximum bandwidth. The focal point for this performance is in the mainframes with their high quality CRT's that provide optimum measurement accuracy. Mainframes are available in cabinet or rack configuration and there is a large screen mainframe in a cabinet configuration.

A selection of storage/variable persistence mainframes offers writing speeds for general purpose or high speed storage applications. A rugged storage surface assures general purpose use with a burn resistant storage surface that does not require special operating procedures.

Storage writing speeds of 100 cm/ μ s or 400 cm/ μ s are available in the 184 and 184 Option 005, for capture and display of elusive transients. With these fast writing speeds you can easily make pulse tim-

ing adjustments, locate noise pulses and missing bits from low duty cycle digital signals. Low duty cycle pulse trains from disc, tape, or drum peripheral units can also be viewed through repetitive sweeps by using variable persistence to build up the intensity of dim traces.

For frequency response to 250 MHz, the 183 mainframes are available with photographic writing speeds to 4 and 8 cm/ μ s. The 183 mainframes with their related plug-ins, offer real time response into the ECL region. The high frequency response is accomplished without sacrificing viewing ease, operating simplicity, or plug-in versatility since they operate with the entire line of 1800 series plug-ins.

Vertical plug-ins

A wide selection of high performance, vertical real time plug-ins assures the right plug-in for almost any measurement application. Real time, dual channel plug-ins are available in 500 kHz, 35 MHz, 50 MHz, 75 MHz, and 100 MHz bandwidths with deflection factors of 100 μ V, 10 mV, and 5 mV/div. Additional measurement capability is provided by four channel plug-ins with 50 MHz and 100 MHz bandwidths and a differential/dc offset amplifier with 40 MHz bandwidth. For measurements greater than 100 MHz, the 183 mainframe plug-ins