

# Oscilloscope/Terminal Duo Processes Waveform Data

BEAVERTON, Ore. — Tektronix, Inc. has introduced a waveform processing system consisting of its digital processing oscilloscope and the Tektronix 4051 intelligent graphics terminal. The system provides



**Tektronix Waveform Processing System**

waveform acquisition, digitizing, processing and display of the data.

The digital processing oscilloscope portion of the system is based on the 250 MHz Tektronix 7704A oscilloscope. Waveform digitizing and data storage facilities (512 data point/trace) for up to four traces are added to the basic oscilloscope, the company said.

The digitized waveform is displayed on the 7704A's CRT along with alphanumeric messages such as waveform scale factors.

Broad waveform acquisition capabilities are available by selecting from the 7000 series of amplifier time base, spectrum analyzer, digital multimeter and counter plug-ins, Tektronix noted.

Waveform calculations such as addition, multiplication, integration, differentiation, fast Fourier transform, inverse Fourier transform are performed on the 4051 intelligent terminal using the Plot 50 programming language.

Up to 32K bytes of working memory are available on the 4051 plus a 300K-byte cartridge tape unit. Other features include 20 user-definable functions, 10 line editor functions, a 128-character Ascii keyboard with upper and lower case, and IEEE 488 1975 interface, Tektronix stated.

Price of the system with the digital processing oscilloscope, 4051 intelligent graphics terminal and 32K bytes of memory is \$28,505.

The 4631 hard-copy unit adds \$4,295 and the data communications interface for the 4051 costs \$1,500. The system has a 20-week delivery schedule from the firm, which can be reached through P.O. Box 500, Beaverton, Ore. 97077.