

## NEW 2710

More Performance, Lower Price

Frequency Accuracy of  $\pm 10$  kHz at 1 GHz  
Center FrequencyFaster Measurements With Full Marker/  
Delta Marker CapabilitiesMore Convenience With Four-Trace Digital  
Storage, Automatic Measurements

High Stability Package (Option 01)

300 Hz Resolution/Phase Lock

 $5 \times 10^{-7}$  Frequency Accuracy  
Frequency Counter

Excellent for installation, service, manufacturing and other test applications, the under-20-pound, portable 2710 provides 10 kHz to 1.8 GHz coverage with center frequency accuracy of  $10^{-6}$ . Resolution bandwidth ranges from 3 kHz to an unprecedented wide resolution of 5 MHz to examine wideband signals with minimum measurement distortion. A high stability package, Option 01, provides an additional level of performance: 300 Hz resolution bandwidth/phase lock stabilization and frequency accuracy of  $5 \times 10^{-7}$ ,  $\pm 500$  Hz at 1 GHz CF. This frequency accuracy is available at wide spans and with readout resolution to the nearest hertz with an optional built-in frequency counter.

The 2710 includes 80 dB display dynamic range and 1, 5 and 10 dB/div vertical scale log modes. Sensitivity is  $-130$  dBm at 300 Hz RBW. A built-in 18 dB preamp improves sensitivity to  $-143$  dBm (at 300 Hz RBW); it boosts low level signals for accurate measurement without degradation due to front-end losses of measurement equipment.

The Tek 2710 marker/delta marker capability includes front panel controls for peak find, right next and left next signals, and marker to center. Using the FREQ/MKR menu, next highest and next lowest signal marker maneuvers may be made. Markers function in both the frequency and time domain and include off-screen measurement capability.

Four-trace digital storage display greatly improves signal comparison. A, B, and C displays may be stored and viewed with the D display always remaining current. Digital processing includes MAX HOLD and DIS-PLAY minus SAVE A functions. By pressing SAVE and D keys, a waterfall or time series display mode is implemented.



The Tek 2710 features a comprehensive time domain capability that has particular value in making communications measurements. Included are one microsecond to 2 sec/div sweep in a 1-2-5 sequence for maximum flexibility in expanding the display, analog display for gray scale enhancement, and 5 MHz system bandwidth (including CRT) that minimizes amplitude measurement distortion. AM/FM detectors with audio amplifier, speaker and headphone jack permit evaluation of demodulated audio. A new, optional video monitor mode permit viewing the demodulated, rasterized video on the CRT of the spectrum analyzer.

Additional time-saving and accuracy enhancing features include automatic calibration, selectable reference level units (dBm, dBmV, dB $\mu$ V, dBV, dB $\mu$ W, dB $\mu$ V/m), selectable 50  $\Omega$ /dBm or 75  $\Omega$ /dBmV operation, signal track, bandwidth characterization mode, noise normalization mode and much more!

The Tek 2710 capabilities are accessed via easy-to-read and logically grouped controls on the front panel or over the IEEE-488 interface bus with GPIB/full programmability option.\* Secondary functions are implemented by selecting from clearly marked pushbutton menus. Ease of use is further enhanced by auto sweep, auto resolution and auto min RF attenuation modes. A user-definable key accesses pushbutton measurements programmed

\* Not available at product announcement date. Contact your Tektronix Sales Engineer for more information.

from the front panel and stored in nonvolatile memory. And start/stop, center frequency, span/div and other control parameters can be directly entered through a front panel keyboard.

## ORDERING INFORMATION

2710 Portable Spectrum Analyzer\*\* \$8,250

## OPTIONS

- Option 01 — 300 Hz resolution bandwidth/phase lock/ $5 \times 10^{-7}$  frequency accuracy. +\$750  
 Option 02 — Internal frequency counter. +\$400  
 Option 06 — Battery power option.  
 Includes: Tek 1106 Battery Pack; 1107 dc inverter; mounting hardware. +\$1,710  
 Option 09 — Centronix interface. +\$300  
 Option 10 — Video Monitor mode. +\$200  
 Option 11 — Nonvolatile RAM storage for setups, displays, and user-definable key sequences. NC  
 Option 30 — Rackmount. +\$750

## INTERNATIONAL POWER PLUG OPTIONS

- Option A1 — Universal Euro 220 V, 50 Hz.  
 Option A2 — UK 240 V, 50 Hz.  
 Option A3 — Australian 240 V, 50 Hz.  
 Option A4 — North American 240 V, 60 Hz.  
 Option A5 — Switzerland 220 V, 50 Hz.

WARRANTY-PLUS SERVICE PLANS  
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- M1 — 2 Calibrations. +\$710  
 M2 — 2 Years Service. +\$1,190  
 M3 — 2 Years Service and 4 Calibrations. +\$1,430

\*\* Contact your nearest Tektronix Sales Office for complete details and ordering information on the Tek 2710 Spectrum Analyzer. Or write to:

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 Beaverton, Oregon 97077