

NEW 2710

More Performance, Lower Price

Frequency Accuracy of ± 10 kHz at 1 GHz Center Frequency

Faster Measurements With Full Marker/Delta Marker Capabilities

More Convenience With Four-Trace Digital Storage, Automatic Measurements

High Stability Package (Option 01)

300 Hz Resolution/Phase Lock

 5×10^{-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 5×10^{-7} , ± 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 markers 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 DISPLAY 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 μ V, dBV, dB μ W, dB μ V/m), selectable 50 Ω /dBm or 75 Ω /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.*1 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

*1 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 Analyzer² \$8,250

OPTIONS

Option 01 — 300 Hz resolution bandwidth phase lock/ 5×10^{-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

SEE PAGE 497

M1 — 2 Calibrations.	+ \$710
M2 — 2 Years Service.	+ \$1,190
M3 — 2 Years Service and 4 Calibrations.	+ \$1,430

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

Tektronix, Inc.
P.O. Box 500
Delivery Station 56-070
Beaverton, Oregon 97077