Spectrum Analyzers R3261, R3361

(100 Hz) 9 kHz to 3.6 GHz General applications in development, production, testshop and service as well as EMC precertification ANALYZE ROOK APECTAN ANALYZE NO LIEN.

R3261C

Brief description

Spectrum Analyzers of the 3261 and 3361 Series (Advantest) provide synthesizer operation with high frequency accuracy and stability, 30 Hz resolution bandwidth and -130 dBm sensitivity. For specified setting conditions the total level accuracy is <1 dB. The digital functions provide great ease of operation and signal processing capabilities like top-class instruments.

Operation

User-defined parameters can be entered via the numeric keypad. Softkey-controlled menus reduce the number of function keys and avoid keys being assigned double functions. The user can configure applicationspecific softkey menus. A memory card of credit card size and the builtin memories allow program sequences, instrument settings and waveforms to be stored and recalled. Antenna correction factors and limit lines can be entered via the front-panel keys. A window function allows a faster sweep time in defined display ranges.

Overview of models

R3261C: 9 kHz to 2.6 GHz

R3261D: 9 kHz to 3.6 GHz

R3361C: same as R3261C but with built-in tracking generator,

9 kHz to 2.6 GHz

R3361D: same as R3261D but with built-in tracking generator, 9 kHz to 3.6 GHz

R3261CN, R3361CN: models with

75 Ω adapter

Spectrum Analyzers R3261, R3361

Specifications in brief

Frequency range R3261C R3261D Resolution bandwidths

Shape factor Frequency span/division

Frequency stability Residual FM IM-free input level Dynamic range Inherent noise (1 kHz) Residual responses Phase noise Frequency response Reference level Level units

Level resolution

RF attenuator Video filter Sweep time **Evaluation functions**

Internal tracking generator

Frequency range R3361C R3361D

Output level Frequency response Output impedance

General data

Interfaces Dimensions (W x H x D) Weight

9 kHz to 2 6 GHz 9 kHz to 3.6 GHz 30 Hz to 1 MHz, auto, QP (6 dB): 200 Hz/9 kHz/120 kHz 15 · 1 1 kHz to 2.6 GHz/zero span, log display 1 to 3 decades, start/stop <300 Hz/min <20 Hz (V_{pp})/0.1 s (span <2 MHz) -131 to +25 dBm/ \pm 50 V (DC) >70 dB (-121 dBm +1.5 x f/GHz) dBm -100 dBm (>500 kHz) -105 dBc(Hz) at 20 kHz ±0.5 dB (<2 GHz) -109 to +40 dBm/0.1 dB dBm, dBμV, V, dB(μV/m), dBmV, log 10/5/2/1/0.5/0.2/0.1 dB, lin x1/x2/x4/x8 0 to 50 dB/10 dB 1 Hz to 1 MHz in 1 to 10 sequence 30 ms to 1000 s. manual, automatic average, max hold, default offset, 2 display memories, marker peak search, delta marker, x dB down, marker next peak, signal track, fre-

quency counter with 1 Hz resolution,

bandwidth measurement, dBc(Hz),

dBm(Hz), display line, multimarker,

9 kHz to 2.6 GHz 9 kHz to 3.6 GHz 0 to -59 dBm in 1 dB steps ±0.7 dB (<1 GHz) 50 Ω VSWR <1.5:1 (<2 GHz); models CN, DN: 75 Ω

etc

IEC 625 bus (IEEE 488) 330 mm x 132 mm x 450 mm 15 ka

Ordering information

Spectrum Analyzer

9 kHz to 2 6 GHz R3261C 9 kHz to 3.6 GHz R3361D

Options

RS-232 I/O Interface, Gated Sweep 80 Integrated BASIC Controller, RS-232 I/O Interface, 2nd IEEE Bus. Gated Sweep 81 Frequency Range Extension 100 Hz 91

Extras

of analyzer

(Windows)

IEC/IEEE-Bus Cable 1 m/2 m 408JE-101/102 19" Adapter 4 HU A02455 Front Cover A02804 Memory Card 32 k (standard) A09505-1 Memory Card128 k A09506-1 DOS Software for programcontrolled EMC precertification EPS9980

External FMC Preselector AUP9211A Pulse Limiter 9 kHz to 30 MHz CFL9206 Preamplifier R14601 Impedance Converter 1 M R14602 Aluminium Transit Case R16056A Carrying Case R16211 DOS Software for PC control

SPECTRA TDR Measurement Software

RSWinTDR