ELECTRONIC COUNTERS
Modulation Domain Analyzers
Summary

Modulation Domain Analyzer Specification Highlights

Model	Frequency range (extension)	Single-shot freq. res. (1s gate)	Time interval resolution (single-shot/ averaging)	Maximum continuous meas. rate (meas/s)	Memory size	Output meas/s	Analysis and display
HP 5371A	500 MHz (18 GHz)[1]	10 digits	150 ps/1 ps	10 M	1000	HP-IB: to 20,000	Frequency, phase and time vs. time; software histogram; event timing graph; numeric display
HP 5372A	500 MHz (2 GHz) (18 GHz)[1]	10 digits	150 ps/1 ps	13 M	8000	HP-IB: to 20,000 Fast Port: to 13 x 10⁶	As HP 5371A plus: hardware histogram; frequency, phase and time vs. time average; pre-triggering; time deviation (jitter); phase deviation; window margin analysis; jitter spectrum analysis (Option 040)
HP 5373A	500 MHz (2 GHz) (18 GHz)[1]	10 digits	150 ps/1 ps	13 M	8000	HP-IB: to 20,000 Fast Port: to 13 x 10⁶	As HP 5372A plus: pulse carrier frequency; chirp deviation; pulse width, PRI, PRF; peak power, %AM
HP 53310A	200 MHz (2.5 GHz) (18 GHz)[1]	10 digits	200 ps/1 ps	2.5 M	8000 (32,000 w/Option 001)	HP-IB: to 7,500	Frequency and time vs. time; auto-scale (setup); large display; jitter analysis; simple triggering; digital RF communications (Option 031)
HP E1740A HP E1725B	150 MHz (18 GHz)[1]	10 digits	100 ps/1 ps	80 M	512K	6,500; VXI shared memory available	Frequency, time interval, time stamps, histogram, statistics, and window margin analysis. Additional analysis and display capability available using the HP E174xA software.

[1] Requires HP 5364A

Ordering Information

HP 5371A Frequency and Time Interval Analyzer
HP 5372A Frequency and Time Interval Analyzer
The HP 5371A and HP 5372A both include two
HP 54002A 50Ω input pods.
HP 5373A Modulation Domain Pulse Analyzer
Includes one HP 53702A 500 MHz envelope detector,
one HP 54002A 50 Ω input pod
Options (HP 5371A, HP 5372A, HP 5373A)
    Opt 020 FastPort Data Output*
    Opt 030 2 GHz Channel C (front panel input)*
    Opt +36A Productivity Assistance Training ½ day*
    Opt 040 Jitter Spectrum Analysis **
    Opt 060 Rear Panel Inputs (50 Ω BNC) for
    channels A and B. 1M Ω BNC for external arm.
    Deletes front panel inputs. (HP 5371A, HP 5372A only)
    Opt 090 Rear Panel Inputs, Channels A, B, and C**

Price

Available Separately
HP 53305A Phase Analysis Software
HP E1725B Time Interval Analyzer
Includes HP E1740A TIA module, MS-Windows 3.1,
MS-DOS 6.22, VXI 6-slot cardcage, Radisys EPC-7
embedded computer, monitor, keyboard, mouse,
mouse pad, and 4 oscilloscope probes
    Opt 001 Delete embedded computer and
    accessories, add HP E1406A VXI Slot-0 controller
    with HP-IB interface
    Opt 002 Replace 6-slot cardcage with E1401A 13-slot
    mainframe
    Opt 003 Delete embedded computer and accessories,
    add HP E1483A VXLink kit
    Opt 141 Time Interval Analyzer Software
    Opt 147 Timing Pattern Analysis Software
    Opt 242 SONET/SDH Tributary Jitter Analyzer Software