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 13×10⁶	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 FastPort: to 13×10⁶	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/Opt 001)	HP-IB: to 7,500	Frequency and time vs. time Autoscale (setup) Large display Jitter analysis Simple triggering Digital RF communications (Option 031)
HP E1740A HP E1725A	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 50 Ω 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 W30 Extended Repair Service (see page 663)
Opt W32 Calibration Service (see page 663)

Options (HP 5371A, HP 5372A only)
Opt 060 Rear-Panel Inputs (50 Ω BNC) for channels A and B. 1 MΩ BNC for external arm. Deletes front panel inputs.

Options (HP 5372A, HP 5373A only)
Opt 020 FastPort Data Output
Opt 030 2 GHz Channel C (front-panel input)
Opt +36A Productivity Assistance Training ½ day

Options (HP 5372A only)
Opt 040 Jitter Spectrum Analysis
Opt 090 Rear Panel Inputs for Channels A, B, and C. 1 MΩ BNC for External Arm, 50 Ω BNC for channels A and B, type N connector for C. Deletes front panel inputs.
HP 5364A Microwave Mixer/Detector

Accessories
HP 54001A 1-GHz Active Pod (10:1, 10K)
HP 54002A 50 Ω Pod
HP 54003A 1 MΩ Pod (with 10:1 scope probe)
HP J06-59992A Time Interval Calibrator

Ordering Information
HP 53310A Modulation Domain Analyzer
Opt 001 Extended Measurement Memory (4 X)
Opt 010 High-Stability Oven Timebase
Opt 030 2.5 GHz Channel C
Opt 031 Digital RF Communications
Opt W30 Extended Repair Service (see page 663)
Opt W32 Calibration Service (see page 663)
HP 5364A 2 to 18 GHz Mixer/Detector
HP J06-59992A Time Interval Calibrator
HP E1725A Time Interval Analyzer
Includes HP E1740A TIA module, MS-Windows 3.1, MS-DOS 6.0, VXI 5-slot cardcage, Radisys EPC-7 embedded computer, monitor, keyboard, mouse, mouse pad, and 4 oscilloscope probes.

Options
Opt 001 Delete embedded computer and accessories, add HP E1406A VXI Slot-0 controller with HP-IB interface
Opt 002 Replace 5-slot cardcage with HP E1401A 13-slot mainframe
Opt 141 Time Interval Analyzer Software
Opt 147 Timing Pattern Analysis Software
Opt 242 SONET/SDH Tributary Jitter Analyzer Software
Opt 243 Clock Jitter Analyzer Software
Opt 244 Token Ring Jitter Analyzer Software

Available Separately
HP E1740A Time Interval Analyzer Module
W32 Calibration Service (see page 663)
HP E1741A Time Interval Analyzer Software
HP E1742A SONET/SDH Tributary Jitter Analyzer Software
HP E1743A Clock Jitter Analyzer Software
HP E1744A Token Ring Jitter Analyzer Software
HP E1747A Timing Pattern Analysis Software