

Optical PUH Analyzer OPU-1000

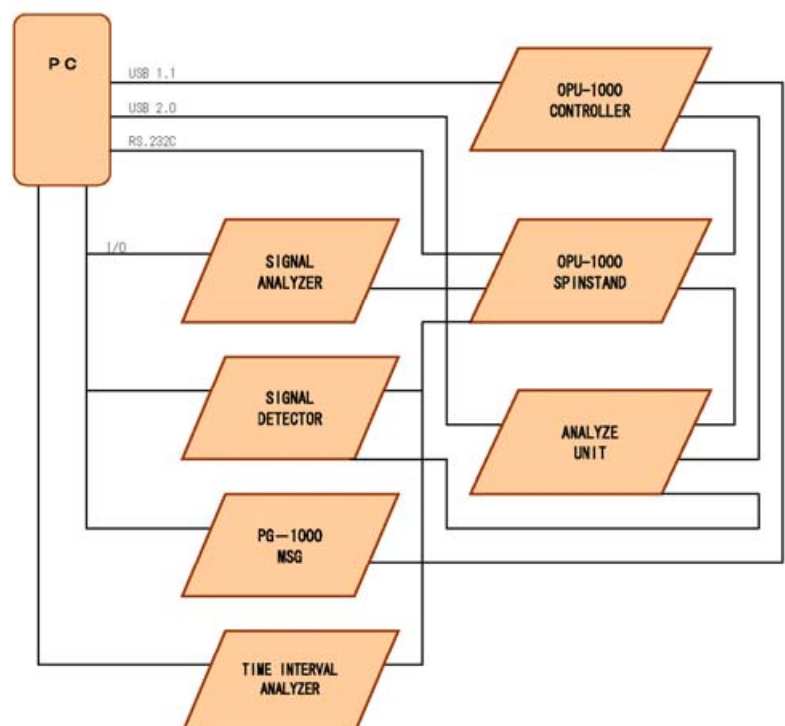
OPU-1000 is the improved evaluation system for R&D dept. Compact evaluation system can be constructed with smaller size and lighter weight.



Feature

- Various parameter can be set via graphical front panel.
- Pulse motor unit is included.
- High speed spindle motor supports high speed recording (max 12,000rpm).
- Evaluation of various book specs is supported by connecting with signal generator and decode units.
- Additional sequence set-up (256 to 1024 lines).
- Displays the waveform while measuring.
- 1024 data is saved in PC.
- User-mode function is implemented to avoid the change of parameter set-up.

System Architecture



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MECHANICAL UNIT SPECIFICATION

Item	Standard Specification	Setting
Spindle Motor	200~12,000rpm	1rpm, 0.01m/sec
Feed Motor	DC Motor & Ball Screw	10 μ m
Disc Height Adjustment	Pulse Motor	1 μ m
Tilt Adjustment	Pulse Motor	0.01deg
Size/Weight	(W) 610mm \times (H) 370mm \times (D) 500mm/25kg	

CONTROL UNIT SPECIFICATION

Item	Standard Specification
Laser Power	6 values set-up (Read, Write1, Write2, Write3, Write4, Write5)
Focus Servo	4 different circuit boards for phase compensation Error signal switch (4 types) Supporting muti layer disc (4 layers) Search signal generating function Auto adjustment function for servo gain
Track Servo	4 different circuit boards for phase compensation Error signal switch (4 types) Feature of multiple track continuous jump Auto adjustment function for servo gain
Buff Amp RF Output	Frequency characteristic : 100MHz-3dB
Matrix Amp	Matrix calculation function supporting different servo control.
LD Drive I/F	Supporting 2 LDs e.g.) Recording LD and Playback LD or 2 recording LD
OS/Display	Windows CE 3.0 / 640 \times 480 LCD
Size/Weight	(W) 430mm \times (H) 200mm \times (D) 490mm/30kg

PULSTEC

Head Office

7000-35, Nakagawa, Hosoe-cho, Kita-ku, Hamamatsu, Shizuoka Pref., 431-1304 Japan
TEL +81-53-522-3611 FAX +81-53-522-3666

Europe Office

Office 18, 12 Devon Place, Newport, South Wales, NP12 4NN, UK
TEL +44-7867-972860

Pulstec USA, Inc.

21535 Hawthorne Blvd., Suite 375, Torrance CA 90503 USA
TEL +1-310-316-8185 FAX +1-310-316-9055