

ODU-1000 for Blu-ray Disc

Blu-ray evaluation equipment based on ODU-1000.

The signal generator is built at Pulstec and a free record experiment.

Possible to decode the address and measure the symbol error.

Possible future upgrade to the automatic system.



FEATURE

Succeeding from DDU, achieved easy operation.

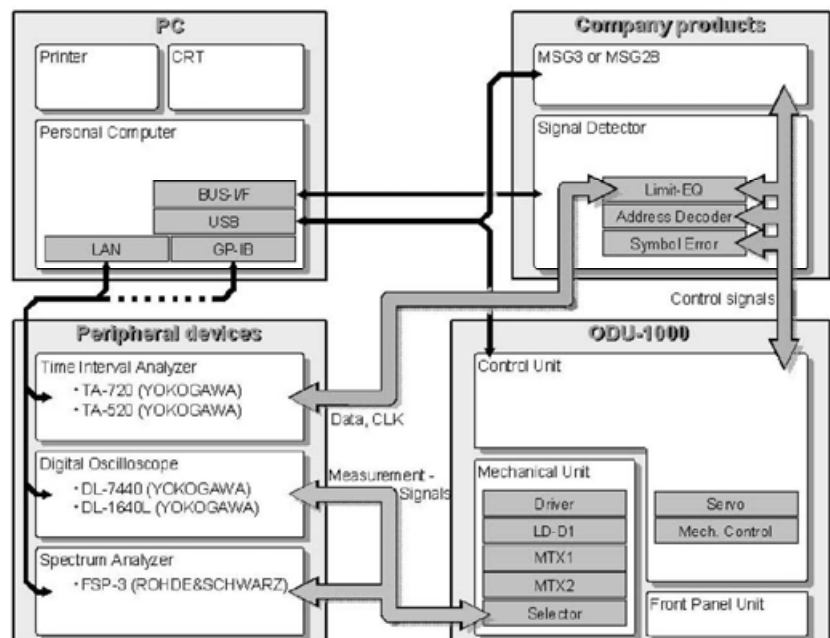
Equipped with OS(WindowsCE3.0) it accomplished the convenient use interface.

Possible to control from an external PC via USB connection. The automatic measurement system can also be constructed.

Possible to separate the Operating Part (Front Panel Unit) from the Control Unit.

Possible to correspond to the Blu-ray Disc book specs with the connection to the Signal Generator.

SYSTEM STRUCTURE



ODU-1000 for Blu-ray Disc

SPECIFICATIONS

Spinstand (Mechanical Unit) Specifications

Item	Basic Specifications	Resolution
Spindle Motor	200-12000r/min (CLV within the available set up range)	1r/min,0.01m/s
Feed Motor	DC Motor & Ball Screw	10um
Disc height Adj	Adjusted with the Pulstec Motor.	1um
Tilt Adj	Adjust by Pulse Motor(Rad,Tan)	0.01deg
Size /weight	(W)440mm x (H)310mm x (D)390mm/20kg	

Controller (Electrical Unit)

Item	Basic Specifications
Laser Set up	7 values set up (read 1, read 2, bottom, Write 1, Write 2, Write 3 Erase)
Focus Servo	Equipped with 4types of phase compensation circuits
	Error signal switch (4 types)
	Multi-layer support (4 layers)
	Pull-in level variable function
	Search signal generator function
	Servo gain auto adjustment function
Track Servo	Equipped with 4 types of phase compensation circuits
	Error signal switch (4 types)
	Consecutive multi-track jump function
	Servo gain auto adjustment function
Matrix amp	RF related output frequency characteristics 30MHz-3dB
	Matrix calculation function corresponding to each servo method
LD drive I/F	Max modulation 200MHz
OS / Display Specs	Windows CE 3.0/640 x 480 dots liquid crystal
Size / Weight	(W)430mm x (H)200mm x (D) 490mm / 30kg

Please be noted that the specifications may change without further notice. Please refer to the specs for more details
Windows CE is the trademark of Microsoft corporation.

PULSTEC

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