



PMT
Double Beam UV- Vis Spectrophotometer
LUV6HG



PMT
Double Beam UV-Vis.Spectrophotometer
with Mercury Lamp **LUV6HG**



SALIENT FEATURES

✦ **PMT Detector (Photomultiplier)**

High sensitivity and ability to detect low levels of light, making suitable for precise and accurate measurement.

✦ **Mercury Lamp**

LUV6HG having a mercury lamp as one of its three built-in light sources, along with the deuterium lamp and tungsten lamp.

The mercury lamp is used for real-time wavelength calibration, which enhances the measurement accuracy of the instrument

✦ **Czerny-Turner Optical System**

Ensures high resolution and ultra-low stray light for stable and reliable performance.

✦ **Adjustable Bandwidth**

Continuously adjustable from 0.1nm to 5.0 nm to meet different requirements.

✦ **Built-in Light Sources**

Includes Deuterium, Tungsten, and Mercury Lamps for real-time wavelength calibration, enhancing measurement accuracy.

✦ **Larger Sample Chamber**

Enough space for opening and replacing sample

✦ **Professional Analysis Software**

Supports Photometric Measurement, quantitative measurement, Wavelength Scanning, Kinetics Analysis, and Powerful data processing. The software is user-friendly and mostly complies with GLP/GMP standards, offering user management, log, and data tracing functions.

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HSN Code : 90273020

SPECIFICATIONS

MODEL	LUV6HG
Make	LABMAN
Optical System	Double Beam
Detector	PMT(Photomultiplier)
Cell Holder	10mm (Sample & Reference Cell Holder)
Light Sources	Deuterium Lamp, Tungsten Lamp, Mercury Lamp
Control Mode	PC Software Controlled
Wavelength Range	190nm - 900nm
Bandwidth	0.1nm - 5nm (0.1nm interval continuously adjustable)
Resolution	0.1nm
Wavelength Accuracy	$\pm 0.3\text{nm}$
Photometric Range	0 – 10,00,000%T, -4A - 6A, 0 - 9999C
Photometric Accuracy	$\pm 0.3\%$
Stray Light	$\leq 0.005\%$ (@220nm & 360nm
Cell Holder	10mm (Sample & Reference Cell Holder)
Base Line Flatness	$\pm 0.0005\%$ Abs (190nm - 850nm)
Stability	≤ 0.0001 Abs /h
Sample Chamber	Large
Interface	USB, RS232C, Ethernet
GMP/GLP	Yes
Password Protection	Yes
Scanning Intervals	8 (0.025nm/0.05nm/ 0.1nm/0.2nm/0.5nm/1nm/2nm/5nm.)
Power Supply	AC 220V,50/60Hz
Packing Dimension (LxWxH)	710 x 690 x 540mm
Gross Weight	49kg

★ Specifications are subject to change without notice.

STANDARD ACCESSORIES : Main Instrument, Quartz Cuvette-2pcs., Glass Cuvette-4pcs, USB Cable, Software Pendrive, Dust Cover, Power Cable, Instruction Manual, Test Certificate

PMT Double Beam

UV- Vis.Spectrophotometer with Mercury Lamp

Measurement

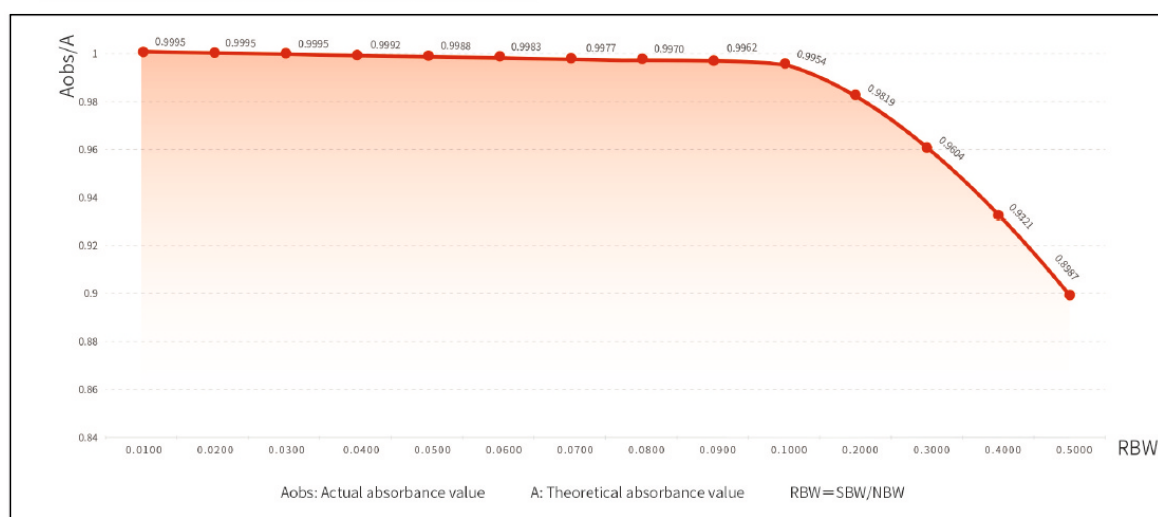
Photometric measurement, quantitative measurement, special scanning, dynamic analysis and other measurements are all available, it also has powerful data processing capabilities.

- 8 scanning intervals , 0.025nm/0.05nm/0.1nm/0.2nm/0.5nm/1nm/2nm/5nm for choice.
Scanning speed is optional in 4 levels and covers a variety of measurement modes (Abs.t% E or R%)
User can retrieve peaks and valleys, extract directional data as needed.
- Photometric measurement can realise absorbance, transmittance, reflectivity or energy measurement fixed wavelength.
- Time scanning provider kinetic analysis, customizable range(wavelength start point and end point, scan interval, measurement mode.
- Quantitative analysis provides mg/l, $\mu\text{l/ml}$, ng /ml, mg/m, mg/l, ppt, ppm, mol and other concentration units to choose

Adjustable Bandwidth

Continuous adjustable spectral bandwidth from 0.1nm to 5nm

0.1nm variable interval, suitable for various requirements, Especially for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.



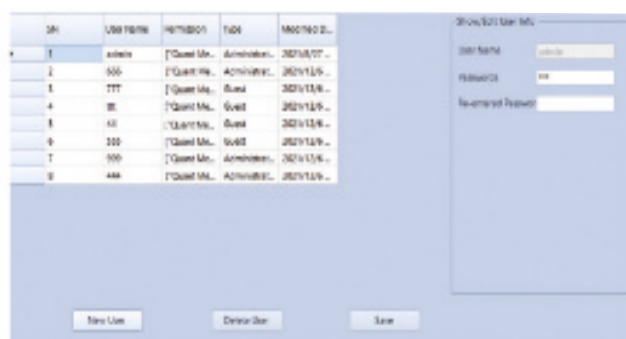
Software

PMT Double Beam UV- Vis.Spectrophotometer with Mercury Lamp

Follow GLP / GMP Standards, User Management, Logging, Data Tracking, etc. are all available

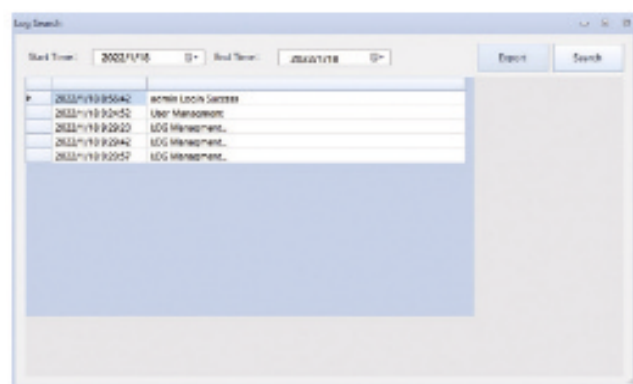
User Management

- Allow administrator to create new users and manage permissions.
- Each user logs in to the operation platform with corresponding account and password.
- Operators can be upgraded to administrators as needed;



Log Management

- Daily operations records can be automatically recorded.
- Log can be retrieved to specific time exported and saved in corresponding format.



The software is able to save the measurement data to the system disk automatically, user can also save the file to the specified folder, avoiding data loss caused by wrong operation.

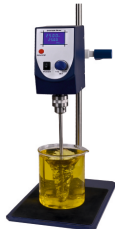
Software directly connects to the printer for report printing, support report preview.

Computer not available with instrument. User must have the Computer to connect the software

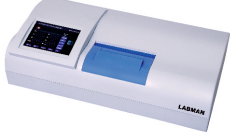
LABMAN Product Range 2025-26

LMFD61, 62, 63, 64 Lyophilizer Freeze Dryer (-60°C)	LMFD83, 84 Lyophilizer Freeze Dryer (-80°C)	LMRE25 Rotary Evaporator	ADM3 Automatic Density Meter	MSOD6 Microvolume Spectrophotometer
NAE32 Nucleic Acid Extractor	EMR4 Elisa Microplate Reader	GPTC96 Gradient PCR Thermal Cycler	HO30 Hybridization Oven	UVCL254 UV - Crosslinker
TGH12, 24 Tissue Grinder Homogenizer	PBH80T Paddle Blender Homogenizer	TOC2NDir Total Organic Carbon Analyzer	TOC1CD Total Organic Carbon Analyzer	LMDS600, 1200 Microwave Digestion System
HPLC1IS, HPLC2GS High Performance Liquid Chromatography	APT1800 Automatic Potential Titrator	KFT250VC Karl Fischer Titrator	COD1500 COD Analyzer with Digestor	BOD4000 BOD Analyzer
MTVM50 Multi Tube Vortex Mixer	LMVM60D Vortex Mixer	OS20 Orbital Shaker	TRM6 Tube Roller Mixer	DBNE12, 24 Dry Bath Nitrogen Evaporator

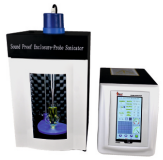
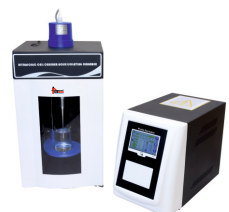
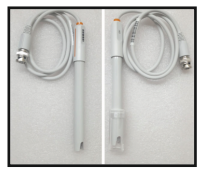
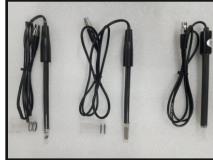
LABMAN Product Range 2025-26

DBI11T  Dry Bath Incubator	DBI15SH, DBI16SC  Dry Bath Incubator	IRS14, 35  Infrared Sterilizer	GGA200  Air Generator	GGA301, 302  Hydrogen Generator
GGN303  Nitrogen Generator	GHA304  Hydrogen Air Generator(2 in 1)	LMVP10  Vacuum Pump	LMVP20  Vacuum Pump	LMCO1  Column Oven
LMIO6  Mini Thermostatic Incubator	GHP400  Graphite Hotplate	LOBMS5  Oil Bath Magnetic Stirrer	LMMS4LC, 20LC  Ceramic Hotplate Magnetic Stirrer	LMMS300  Hotplate Magnetic Stirrer
MMS15S  Multiposition Magnetic Stirrer	MMS12H  Multiposition Magnetic Stirrer	WBMS3  Water Bath Magnetic Stirrer	LMWB2H, 4H, 6H, 8H  Digital Water Bath	HOS20L  Overhead Stirrer
LMHH160  Hand Held Homogenizer	PS1565  Peltier / Sipper System	LUV6HG  PMT Spectrophotometer	LUV2000T, 2100T  Single / Double Beam UV-Vis. Spectrophotometer with 21CFR	LMSPUV SERIES  Double Beam UV-Vis. Spectrophotometer

LABMAN Product Range 2025-26

LMSPUV1200  UV-Vis. Single Beam Spectrophotometer	LMSPV320, 325  Visible Spectrophotometer	ADP100CFR, 95CFR  Automatic Digital Polarimeter with CFR	ADP45, 50  Automatic Digital Polarimeter (±45°)	ADP75, 90  Automatic Digital Polarimeter (±90°)
ADP40  Automatic Digital Polarimeter	LMPM180  Manual Polarimeter	MAR100  Manual ABBE Refractometer	RFM100CFR  Digital Refractometer CFR	RFM950, 970  Digital Refractometer
LMAR1317T  ABBE Refractometer	LMDV300H  Digital Viscometer with Thermosel	LMDV60, 100, 200  Digital Viscometer (L Series)	LMDV400R  Digital Viscometer (R Series)	LMKV2  Krebs Viscometer
LMDV111, 222  Digital Viscometer with SSA	LVA30  Low Viscosity Adaptor	LMCR80F  Visual Colorimeter	LMUC2D  Ultrasonic Cleaner	LMUC3D, 6D, 9D, 12D, 25D  Ultrasonic Cleaner - Degas
LMUC50, 100  Industrial Ultrasonic Cleaner	LMPH15  pH Meter with Printer	LMPH12, LMPH10H  pH Meter	LMPH9  pH Meter - Basic	LMCM20H  Conductivity / TDS Meter

LABMAN Product Range 2025-26

LMCM20H  Conductivity / TDS Meter	LMMP30, 32  Multiparameter (7 in 1 / 9 in 1)	LMION40  Ion Meter	LMDO50  Dissolved Oxygen Meter	LMHD60  Water Hardness Meter
OPH11  Online pH Controller	OCM21  Online Conductivity Controller	LMTB200  Turbidity Meter	RCB1010T, 1020T, 1030T  Refrigerated Circulating Bath	RCB620T  Refrigerated Circulating Bath
RWC320  Recirculating Water Chiller	LMDO4P  Portable DO Meter	LMPH1P  Portable pH / ORP Meter	LMCM2P  Portable Conductivity / TDS Meter	LMTB5P  Portable Turbidity Meter
PRO656, 900, 1200, 1800  Probe Sonicator	PRO660R  Probe Sonicator with Remote	PRO650  Probe Sonicator	LMIF30T, 50T, 100T  Ice Flaker	LMIF200T  Ice Flaker
LMIM15  Ice Maker	LMIM20C  Ice Maker with Crusher	ISE19, 62  Nitrate / Fluoride ISEs	ER SERIES  pH Electrode / DO Electrode	CC1, CC2, CC3  Conductivity Cell