

INNO

Microplate Reader (Absorbance)



Description

- 200nm to 999nm wavelength range
- Wavelength selection monochromator
- Xenon flash lamp for a semi-permanent lifetime

Certifications

- CE Marked
- RoHS
- ISO 9001 / ISO 13485 / ISO 14001

Specification

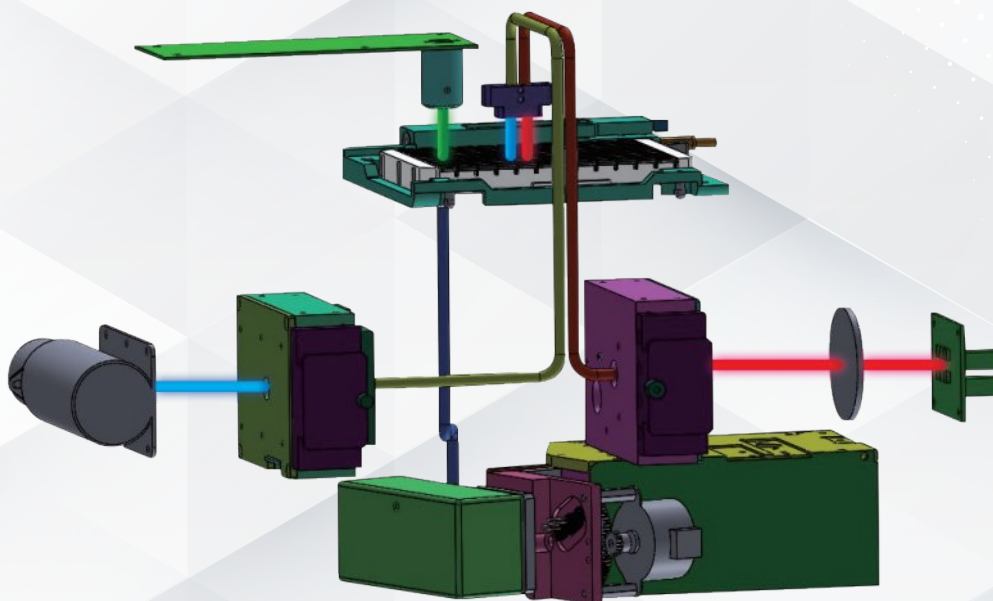
Wavelength accuracy	±2nm	Resolution	0.0001 OD
Electrical requirements	INPUT 100 to 240V 50 / 60Hz (65W Adaptor)	OD accuracy	0 ~ 2 OD ± 1%
Microplate type	6- to 384-well plates	OD linearity	0 ~ 2 OD ± 1%
Detector	Photodiode	OD repeatability	0 ~ 2 OD ± 1%
Light source	Xenon flash lamp	Shaking	Two step speed
Wavelength range	200 to 999 nm	Weight	7.5kg
Wavelength selection	Monochromator	Dimension (mm)	333W x 303L x 245H
Application	End point, Kinetic, Spectral scanning, Well-area scanning	Software	INNO-X (Windows Software)
Dynamic range	0 ~ 4.0 OD	Supported software regression	Linear, Quadratic, Cubic, Log, Exponential, Point-to-point, 4PL

Applicable optional products

Microvolume Plate (NANO-VC)	• Nucleic acid and protein quantification with DNA/RNA, Lysozyme, dsDNA, ssDNA, Etc. • 2-2.5µL sample capacity with 24 wells • 2.5ml cuvette holder
Quality Check Plate (INNO-Q)	• Absorbance linearity, accuracy, and alignment QC

INNO™

Monochromator and filter optics



LTEK' s INNO is an innovative Microplate Reader for Absorbance. It is designed for a wide range of applications, making it a versatile device for your research. It offers a wide wavelength spectrum and the convenience of using a monochromator to eliminate the need for filter selection. It uses a xenon flash lamp, known for its long life and durability, for semi- permanent use. It offers two- speed shaking modes not found in Multimode Microplate Reader for Absorbance.

With user-friendly software included as standard, LTEK's INNO allows you to easily optimize all settings in your experiments. Optional nanovolume plates and quality check plates are available for your convenience. Experience accurate measurements for a wide range of experiments, all at an affordable price.

Main Features

- 01 Single mode (Absorbance)
- 02 Monochromator-based UV-Vis Absorbance
- 03 200 nm to 999 nm wavelength range
- 04 Xenon flash lamp for a semi-permanent lifetime
- 05 Two-step speed Shaking mode
- 06 2µL low volume nucleic acid & protein quantification with NANO-VC™ Plate (Option)
- 07 Provides INNO-X™ software with unlimited license and free software upgrade

INNO product line series configuration chart

	INNO	INNO-M	INNO-SA	INNO-SF	INNO-S	INNO-HD	INNO-HM	INNO-HML	INNO-H
Absorbance (Monochromator)	0	0	0		0		0	0	0
Luminescence (Filter)		0		0	0	0			0
Luminescence (Monochromator)								0	0
Fluorescence (Filter)				0	0	0			0
Fluorescence (Monochromator)							0	0	0
TRF				0	0	0	0	0	0
Dichroic Intensity						0			0
Fluorescence Polarization						0			0
Shaking	0	0	0	0	0	0	0	0	0
Incubation			0	0	0	0	0	0	0
Dual Injector			0	0	0	0	0	0	0

Optional Accessories



INNO-Q (Option)

- Absorbance Quality Check Plate for accuracy, linearity, and alignment

INNO-QM (Option)

- Absorbance, Luminescence, and Fluorescence Q.C plate
- Abs – 9 Wells: 0.14 to 2.2 OD @ 450 nm
- Fluo – 8 wells: Read EX 485 nm / EM 530 nm or EX 540 nm / EM 590 nm
- Lumi – 9 wells: Approximate four-decade dynamic range standard

NANO-VC (Option)

24 Wells DNA/RNA/Protein Quantitative Measurement

Using 2µL of DNA/RNA samples, quantitative measurement is possible. This also helps the users to understand or interpret the unknown or unspecified samples by measuring from 240 to 320 nm with 2 nm steps. A total of 2µL 24 wells allow you to measure variety types of samples at the same time.

dsDNA, RNA, ssDNA, 1Abs at 1cm = 1 mg/ml

BSA, IgG, Lysozyme, and other samples are measurable.

Specification

2µL Sample capacity	24 wells
Cuvette capacity	1 slot
Cuvette size	2.5 ml tube
Compatible model	All LITEK Microplate Reader series
Optical path length	0.5 mm
Detection limit	2 ng/pl dsDNA

