



Sistemi per Fluorescenza, assorbanza e luminescenza



INNO-S™

Assorbance, Luminescence & Microplate Reader

Technical Details

Detection modes	Fluorescence (top and bottom), Time-resolved fluorescence, Luminescence, UV-Visible absorbance
Read methods	End point, Kinetic, Spectral scanning, Well-area scanning
Microplate types	6 to 384 well plates, NANO-V™(Option) & NANO-VC™ plate (Option)
Temperature control	Incubation up to 50°C ; ±0.5°C at 37°C
Shaking function	Linear & Orbital
Software	INNO-X™ (basic software) & INNO-X™ SECURE (for 21 CFR Part 11 Compliance) (Option)

Time-Resolved Fluorescence

Light source	High power LED
Wavelength selection	Filter

Physical Characteristics

Connectivity	1 USB, 1 RS232 for external PC control
Power	100 - 240 Volts AC. 50/60 Hz
Dimension (mm)	408W x 390L x 290H
Weight	18.2 kg

Reagent Injectors

Number	2 Syringe pumps
Dispense volume	5-1000 µL in 1 µL increments
Minimum prime volume	1.1 mL, 100 µL with back flush

Regulatory

CE and RoHS compliant. ISO 9001 & ISO 14001

INNO-S™ Typical Application

- Nucleic acid quantification
- Fluorescence Applications
- ELISAs
- Luminescence Applications

Features



By using lamp and monochromator, INNO-S™ allows you to measure from 200 to 999 nm freely at your choice of 1 nm increment. Xenon lamp(in absorbance) will serve the instrument semi permanent life time which allows the users to experience comfort since lamps do not need to be replaced such as halogen lamps.



Supporting dual injector with variety of shaking technologies and incubating function up to 50°C.



Using INNO-X™ SECURE S/W offers high performance software and safety reliable security for personal data with CFR Part 11 Compliance function.

INNO

Microplate Spectrophotometer (Absorbance)

Wavelength accuracy	±2nm	OD accuracy	0 ~ 2 OD ± 1%
Electrical requirements	INPUT 100 to 240V 50 / 60Hz (65W Adaptor)	OD linearity	0 ~ 2 OD ± 1%
Microplate type	6 ~ 384 well plate	OD repeatability	0 ~ 2 OD ± 1%
Detector	Photodiode	Shaking	Two step speed
Light source	Xenon flash	DNA/RNA Micro Volume Plate 24 wells	2µL Samples / Cuvette (Option)
Wavelength range	200 to 999 nm	Weight	7.5kg
Wavelength selection	Monochromator	Dimension (mm)	333W x 303L x 245H
Application	Spectral scanning, End point, Kinetic, Area scan	Software	INNO-X (Microsoft windows software)
Dynamic range	0 ~ 4.0 OD	Supported software regression	Linear, Quadratic, Cubic, Log, Exponential, Point-to-point, 4PL
Resolution	0.0001 OD		

Description

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

Certifications

- CE marked
- ISO 9001/ ISO 14001
- RoHS

INNO-M

Multi-Mode reader (Absorbance + Luminescence)

Absorbance			
Wavelength accuracy	±2nm	Dynamic range	0-4.0 OD
Electrical requirements	INPUT 100 to 240V 50/60Hz/ (65W Adaptor)	Resolution	0.0001 OD
Microplate type	6 ~ 384 well plate	OD accuracy	0 ~ 2 OD ± 1%
Detector	Photodiode	OD linearity	0 ~ 2 OD ± 1%
Light source	Xenon flash	OD repeatability	0 ~ 2 OD ± 1%
Wavelength range	200 to 999 nm	Shaking	Two step speed
Wavelength selection	Monochromator	DNA/RNA Micro Volume Plate 24 wells	2µL Samples / Cuvette (Option)
Application	Spectral scanning, End point, Kinetic, Area scan		
Luminescence		Others	
Detector	Photomultiplier (PMT)	Software	INNO X (Windows Software)
Wavelength range	300 - 700nm	Supported software regression	Linear, Quadratic, Cubic, Log, Exponential, Point-to-point, 4PL
Peak Wavelength	420nm	Weight	8kg
Limit of Detection (moles)	3x10 ⁻²¹ moles	Size	333x303x245

Optional Accessories



NANO-VC (Option)

24 well DNA/RNA Quantitative measurement

Using 2 μ L of DNA/RNA samples, quantitative measurement is possible.

This also helps the users to be able to understand or interpret the unknown or unspecified samples by measuring from 240 to 320 nm with 2nm steps.

Total of 24 2 μ L wells allow you to measure variety types of samples at the same time.

DsDNA, RNA, ssDNA, 1 Abst at 1cm = 1 mg/ml
BSA, IgG, Lysozyme and other samples are measurable.

Specification

2 μ L Sample capacity	24 wells
Cuvette capacity	1 slot
Cuvette size	2.5 ml tube
Compatible model	INNO, INNO-M&INNO-S
Optical path length	0.5 mm
Detection limit	2 ng/pL dsDNA

Fluo-200 / Fluo-800 Fluorometer

A New Generation of Smart Fluorometer

I nuovi fluorimetri Fluo-200 e Fluo-800 sono utilizzati per l'analisi quantitativa ad alta sensibilità di DNA, RNA e proteine. Fluo-800 è in grado di processare fino a 8 campioni contemporaneamente.



- **Simple and intuitive**
7 inch color touch screen
- **Fast detection**
fast & accurate quantification of DNA, RNA & protein in 5 s
- **Accurate quantification**
high accuracy with only 1-20 μ L samples
- **High sensitivity**
the lowest detection limit can be 0.1 pg/ μ L (dsDNA)
- **Dual channel detection**
adapt to more dyes
- **Stores results**
up to 20000 programs can be stored
- **Data save**
saves sample data as a CSV or PDF file
- **Data export**
be exported directly to U disk, or connected to an external printer
- **Open reagent application**
can match reagents from different manufacturers

Feyond-F100

Fluorescence Microplate Reader



Features

- Xenon lamp
- 10 inch touch screen
- PMT
- 2.5pM (preliminary index)
- 6 orders of magnitude
- Android system
- 1/2 ↑
- 25 KG
- EX/EM:
470/525 - 523/564 - 624/692

Filters/Cubes

8 groups of positions
Standard with 3 sets of filters
Higher sensitivity, stronger transmittance,
better filtering, and faster band selection.

Fluorescence



Feyond F100 is an economical, single fluorescence microplate reader. Its high-quality optical path design makes it have excellent optical performance.

This product is designed for bioluminescence scientific research, and can meet the requirements of nucleic acid quantification, fluorescent protein determination, molecular interaction studies, Ca²⁺ flow analysis, as well as reporter genes, fluorescent kinases and cell-based studies.

Feyond-L100

Luminescence Microplate Reader



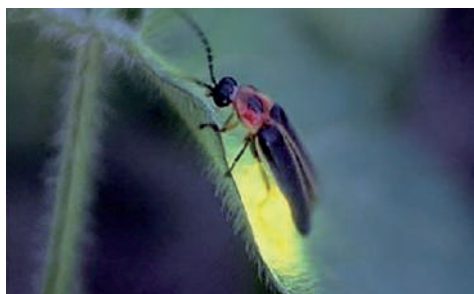
Features

- 10 inch touch screen
- Android system
- PMT
- 5 amol/well
- 6 orders of magnitude
- 0.005%
- 1/2
- 25 KG
- 460 nm&560 nm

Filters

Standard with 460nm and 560nm filters

Luminescence



Feyond series luminescence microplate readers show excellent sensitivity and wide dynamic range in both glow and flash based assays.

The PMT enhances the maximum sensitivity of weak luminescence signals, prevents oversaturation of high signals, effectively improves the detection range of luminescence.

The optimized light path minimizes signal crosstalk between holes and ensures the accuracy of experimental results. The precise dual-channel injector ensures assay performance even when assaying high-density 384-well plates

FlexA-200

FlexA-200HT Microplate Reader

Features

FlexA-200 microplate reader is a high-quality microplate reader based on a monochromator with a wavelength range of 200~1000 nm.

It can be used for spectral scanning, endpoint method and kinetic detection. Suitable for 96-well plates and 384-well plates with and without lids.

FlexA-200 can be shaken and cultured in microplates, and the culture temperature is up to 45 °C. It can be operated independently through the built-in software of the instrument, and also can be operated by the Reader-It-II software



Cuvette Mode (FlexA-200HT Model)

Independent cuvette slot;
Detection wavelength 200~1000 nm;
With incubation function, RT+4 °C to 45 °C;
Independent cuvette software can be directly used for endpoint method, kinetics, spectral scanning and standard curve establishment.



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