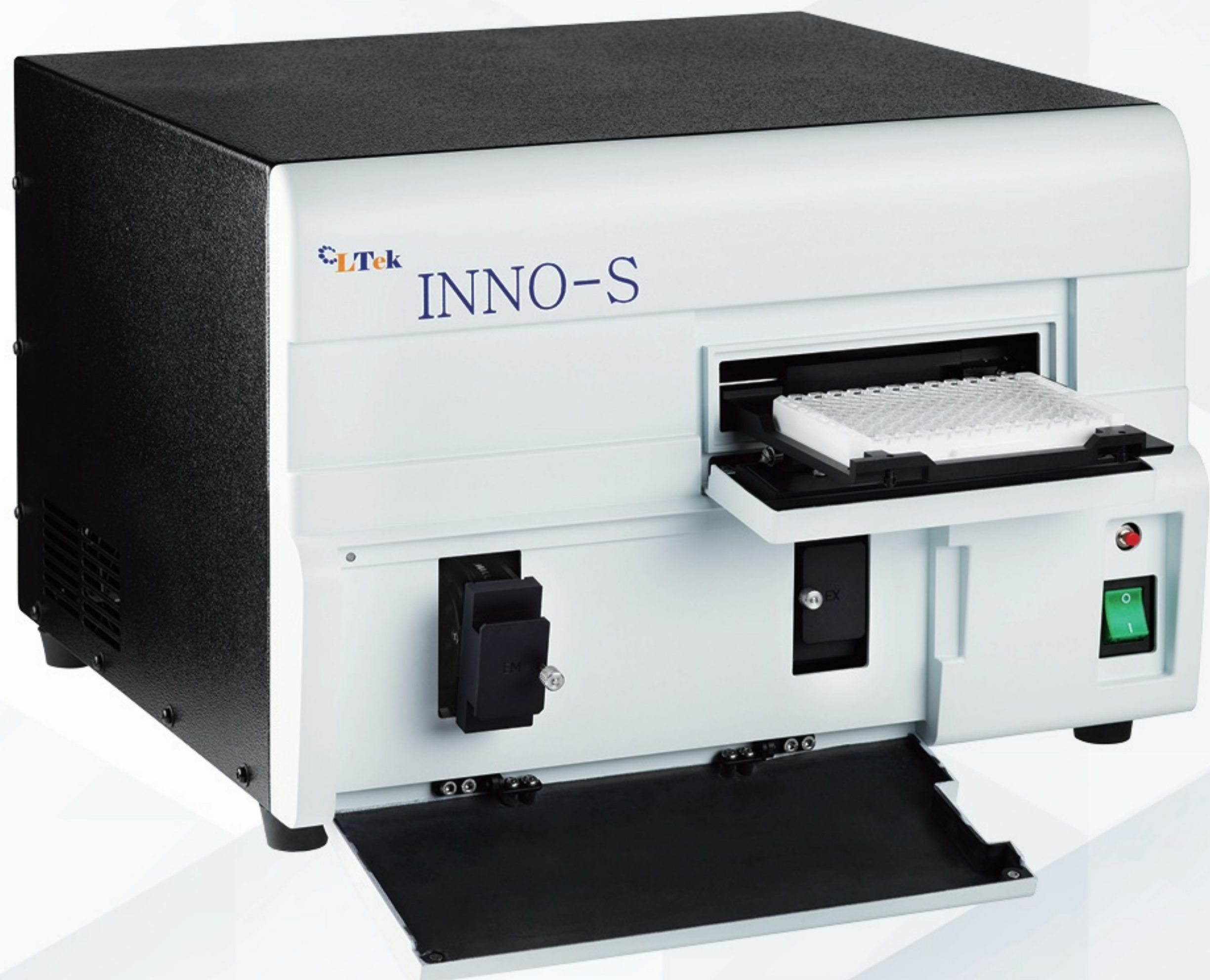


INNO-S™

Absorbance, Luminescence & Fluorescence Microplate Reader



Wide selections with different wavelengths for the fluorescence filters



Optional product is available with INNO-S

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 for Absorbance. Luminescence and fluorescence are available with End point, kinetic and area scanning.
Microplate types	6 to 384 well plates and NANO-VC™
Temperature control	Incubation up to 50°C ; ±0.5°C at 37°C
Shaking function	Linear & Orbital with 4 different speeds
Software	INNO-X™ (basic software) & INNO-XS™ (21 CFR part 11 Compliance software) (Optional)

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

Time-Resolved Fluorescence

Light source	High power LED
Wavelength selection	Filter

Regulatory

CE and RoHS compliant, ISO 9001 & ISO 14001, RoHS, IVD, and 21 CFR part 11 compliance software

Applicable optional products

Reagent Injector(INNO-D)	<ul style="list-style-type: none"> • 2 Syringe pumps • 15 ~ 1000µL • Minimum prime Vol. 1.1mL. 100µL with back flush
Read methods	<ul style="list-style-type: none"> • 2~ 2.5µL total 24 wells • 2.5ml cuvette holder • DNA/RNA, Lysozyme, DsDna, and Etc
Microplate types	<ul style="list-style-type: none"> • Absorbance linearity and accuracy QC • Luminescence linearity and crosstalk QC • Fluorescence linearity QC

Specifications

Certifications

- CE Marked
- ISO9001 / ISO14001
- RoHS
- IVD
- 21 CFR part 11 Compliance software



Absorbance	
Light source	Xenon flash lamp
Detector	Photodiode
Wavelength selection	Monochromator
Wavelength range	200 - 999 nm, 1 nm increments
Dynamic range	0-4.0 OD
Resolution	0.0001 OD
Monochromator wavelength accuracy	±2 nm
Monochromator wavelength repeatability	±0.2 nm
OD linearity	<1% from 0 to 3.0 OD
OD repeatability	< 0.5% at 2.0 OD

Fluorescence Intensity	
Sensitivity	Top and Bottom : Fluorescein 5 pM (1 fmol/well, 96-well plate)
Light source	High Power Led (Life time - 100.000 hours)
Wavelength selection	Filters
Wavelength range	350 - 750 nm
Dynamic range	>6 decades
Detector	PMT

Luminescence	
Sensitivity	Sensitivity - 10 amol ATP(FLASH) - Multi-mode
Wavelength range	200 - 900 nm
Dynamic range	>6 decades
Detection system	Low noise PMT
Peak wavelength	410 nm
Limit of Detection (moles)	10 amol