

Microplate Reader IMR-1000



Microplate Reader IMR-1000 is a benchtop microplate reader. Equipped with 8-channel manifolds as standard accessories for use with standard 96, and 384 wells plates.

Covers the full wavelength range 340 to 750 nm and measured as quickly as 6 second per well, which is significantly faster than other current microplate reader methods. Temperature incubation, multiple shaking, well scan and reagent injectors make the IMR-1000 the best platform for any clinical, biotechnology research and pharmaceutical laboratory applications. Can stored up to 200 programs and 100,000 test records in a single unit. Maintain all important measuring parameters including quality and quantity curve fit, blank substration, endpoint, kinetic calculation and data evolution function. A multi-mode reader has several benefits for laboratories applications ranging from ELISAs to nucleic acid and protein quantitation to cell imaging. Together with multiple microplate services and detection modes into a single, more versatile unit may be an ideal choice specially if you have limited area.

Accessories

- Optical filter 340nm (Matching)
- Optical filter 380nm (Standard)
- Optical filter 405nm (First Matching)
- Optical filter 415nm (Standard)
- Optical filter 450nm (Standard)
- Optical filter 492nm (Matching)
- Optical filter 540nm
- Optical filter 570nm
- Optical filter 578nm
- Optical filter 590nm
- Optical filter 595nm
- Optical filter 630nm (Standard)
- Optical filter 650nm
- Optical filter 690nm
- Halogen lamp
- Thermal printer
- Thermal paper

Technical Specification:

Model	IMR-1000
Wavelength Range	340 to 750 nm
Resolution	0.001 Abs
Light Source	Quartz-halogen lamp
Optical filter	405,450,492,630 nm
Detector	2 silicon photoelectric detector
Display	7 inch touch screen (800x480 dots)
Storage	200 programs and 100,000 test records
Interface	3 USB ports, for PC, printer and USB-disk
Linearity @450nm	0 to 2.000Abs $\leq \pm 1\%$ 2 to 4.000Abs $\leq \pm 2\%$
Accuracy @450nm	$\pm 1\%$ (0 to 3Abs) $\pm 2\%$ (3 to 4Abs)
Precision @450nm	CV $\leq 0.2\%$ (0 to 3Abs) CV $\leq 1.0\%$ (3 to 4Abs)
Dimensions	440 x 295 x 225 mm
Weight	10 kg
Electrical Requirement	6V
Catalogue No.	4201005-04

Technical Data:

Model	IMR-1000
Wavelength	340 to 750 nm
Light source	Quartz-halogen lamp
Optical filter	405,450,492,630 nm
Resolution	0.001 Abs
Display	7 inch touch screen (800x480 dots)
Half-bandwidth of filters	3 to 9 nm
Detector	2 silicon photoelectric detector
Test speed	<6s for 96 wells plate
Shaking	3 modes shaking: slow, medium and fast
Linearity @450nm	0 to 2.000Abs $\pm 1\%$ 2 to 4.000Abs $\pm 2\%$
Accuracy @450nm	$\pm 1\%$ (0 to 3Abs) $\pm 2\%$ (3 to 4Abs)
Precision @450nm	CV $\leq 0.2\%$ (0 to 3Abs) CV $\leq 1.0\%$ (3 to 4Abs)
Incubator	No
Storage	200 programs and 100,000 test records
Ports	3 USB ports, for PC, printer and USB-disk
Interface	Integrated software or PC control software
Power Consumption	10 W
Dimensions	440 x 295 x 225 mm
Weight	10 kg
Electrical Requirement	6V
Catalogue No.	4201005-04



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