

Thermo Scientific Multiskan EX

The Thermo Scientific Multiskan EX is an ideal tool for customers who need a robust and an easy-to-use bench-top microplate photometer for basic ELISA applications.

The Multiskan EX is a basic reader for endpoint and kinetic assays. The PC software offers a wide range of data reductions and report generations. Additionally, the Multiskan EX with onboard software is IVD compliant.

Exceptional reliability and extended 3-year warranty

The Multiskan EX has earned a global reputation as the most reliable photometer on the market, making it ideal for demanding laboratory environments where technical support is not readily available.

Proven optical system

The Multiskan EX uses a proven optical system which ensures reliable and repeatable results.

Easy to learn and use

Both the onboard and the powerful PC software are easy to use, making the Multiskan EX ideal for laboratories with changing demands or high staff turnover.

IVD compliance package

The Multiskan EX with onboard software complies with the IVD (in vitro diagnostics) Directive 98/79/EC (Note the EU Directive is not valid in North America), which makes it ideal for clinical customers running diagnostic assays.

Ordering information and technical specifications, see page 18

Multiskan EX Applications:

- Immunoassays
- Protein assays
- Growth curve and hormone assays
- Endotoxins
- Food diagnostics
- HIV assays
- Hybridization assays
- Minisequencing assays
- Cytotoxicity
- Cell adhesion
- Signal transduction
- Endotoxins
- Antioxidants
- Food diagnostics



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Technical Specifications

Thermo Scientific Multiskan EX	
Wavelength selection	Filters
Wavelength range	400 – 750 nm
Filters	8-position filter wheel Standard filters 405 nm, 450 and 620 nm Other filters available upon request.
Read-out range	0 – 3.5 Abs
Linearity	0 – 2 Abs, $\pm 2.0\%$ at 405 nm
Accuracy	$\pm 2.0\%$ or ± 0.007 Abs whichever is greater, typical value $\pm 1\%$ (0 – 2.0 Abs) at 405 nm
Precision	CV $\leq 0.5\%$ (0.3 – 1.5 Abs) at 405 nm CV $\leq 1.0\%$ (1.5 – 2 Abs) at 405 nm
Resolution	0.001 Abs
Plate types	96-well plate
Measurement speed	5 s, 96-well plate
Light source	Quartz tungsten halogen lamp
Detector	Eight (8) silicon photodetectors
Incubation	
Shaking	Linear shaking, 3 speeds
User interface	On-board or PC control
Computer interface	RS-232C serial interface
Dimensions (HxWxD)	188 mm (H) x 486 mm (W) x 356 mm (D) 7" (H) x 19.3" (W) x 356" (D)
Weight	12.5 kg (27.5 lbs.)

Ordering Information

Cat. No	Description
Thermo Scientific Multiskan EX	
51118170	Multiskan EX 200-240V, 50/60 Hz *)
51118177	Multiskan EX 100 -120 V, 50/60 Hz *)
*) Includes Ascent Software and three Standard Filters: 405nm, 450nm, 620nm	