

Thermo Scientific™ Multiskan™ FC Microplate Photometer

Technical specification for the Multiskan FC Microplate Photometer

Feature	Specification
Light source	Quartz halogen lamp 6 V/10 W
Wavelength range	340–850 nm
Filters	8-position filter wheel The instrument is delivered with standard 405 nm, 450 nm, and 620 nm filters installed (additional filters can be ordered separately)
Filter half-bandwidth	3–9 nm
Read-out range	0–6 absorbance units (AU)
Linearity (at 405 nm)	±2% (0–3 AU, 96-well plate) ±2% (0–2.5 AU, 384-well plate)
Resolution	0.001 AU
Accuracy (at 405 nm)	±1% (0–3 AU) or ±0.003 AU (whichever is greater)
Precision (at 405 nm)	Coefficient of variation: ≤0.2% (0.3–3 AU)
Measurement speed	7 sec (fast mode, 96-well plate) 13 sec (normal mode, 96-well plate) 13 sec (fast mode, 384-well plate) 34 sec (normal mode, 384-well plate)
Optional incubator temperature range	Ambient +4°C to 50°C
Shaking	Linear shaking in slow, medium, and fast modes
Robotic compatibility	Yes
Display	High-contrast color display (480 x 272 pixels)
User interface	On-board display or PC control
Internal memory (stand-alone)	Up to 99 assay protocols and 100 test results (96-well plate)
Connections	USB port for PC USB port for data export to USB memory device
Main input	100–240 V (50/60 Hz)
Power consumption	Max. 100 VA, 8 VA in standby mode
Overall dimensions (H x W x D)	8.7 x 11.4 x 15.7 inches (22 x 29 x 40 cm)
Weight	8.5 kg (18.7 lb)
Regulatory conformance	2004/108/EC (Electromagnetic Compatibility Directive, EMC) 2006/95/EC (Low Voltage Directive) 2006/42/EC (Machinery Directive) FCC Part 15, Subpart B/Class B 2011/65/EU (RoHS Directive) 2012/19/EU (Waste of Electrical and Electronic Equipment)
PC requirements for Thermo Scientific™ SkanIt™ Software	
Minimum system requirements	Quad core (dual core with 4 logical processors), ≥2 GHz 14 GB disk space 8 GB RAM, USB port, full HD with 1,920 x 1,080 resolution
Operating system	64-bit Windows™ 10 Professional, Education, or Enterprise edition

Ordering information

Instrument	Shaking	Incubation	96-well plates	384-well plates	Cat. No.
Multiskan FC Microplate Photometer	•		•		51119000
Multiskan FC Microplate Photometer, with incubator	•	•	•	•	51119100

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