

Multiskan SkyHigh Microplate Spectrophotometer

Technical specification for the Thermo Scientific™ Multiskan™ SkyHigh Microplate Spectrophotometer

Multiskan SkyHigh Microplate Spectrophotometer	
Wavelength selection	Monochromator
Light source	Xenon flash lamp
Wavelength range	200–1,000 nm with 1 nm steps
Readout range	Up to 4 absorbance units
Bandwidth	<2.5 nm
Linearity at 450 nm*	0–2.5 Abs, 2%
Accuracy at 450 nm*	1.0% + 0.003 Abs (0–2.0 Abs), 2.0% (2.0–2.5 Abs)
Precision at 450 nm*	SD <0.003 Abs or CV <1.0%
Plates	6- to 48-, 96-, and 384-well plates**, Thermo Scientific™ µDrop™ Plates
Cuvette	Dimensions (H x W x D): 40–58 x 12.5 x 12.5 mm Beam center height: 8.5 mm Beam window: ≥2 mm
Measurement speed (starting from A1 back to A1)	6 sec with 96-well plate 10 sec with 384-well plate
Plate shaking	Linear
Spectral scanning speed	10 sec from 200–1,000 nm with 1 nm steps
Incubation range	From ambient temperature to 45°C
General specifications	
User interfaces	Stand-alone use: 7 in. touchscreen display PC control: Thermo Scientific™ SkanIt™ Software
Connections	1 USB B port for PC 1 Ethernet port 3 USB A ports for devices (USB memory device and Wi-Fi dongle)
Dimensions (H x W x D)	265 x 295 x 445 mm (10.4 x 11.6 x 17.5 in.)
Weight	11.3 kg (24.9 lb)

* Specifications are valid for 96-well flat-bottom microplates and quartz semimicro cuvettes with a 4 mm beam window.

** Maximum plate height with lid is 19.5 mm.

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