

## Infinite F50 & Infinite F50 Robotic – Typical performance values

General specifications	
Detection mode	absorbance
Light source	LED, self-calibrating
Photodetector	silicon photodiodes
Plate type	96-well microplates (including strip-well microplates)
Measurement modes	endpoint, kinetic and multi-label measurements
Measurement channels	8
Reference channel	1
Measurement range	0 – 4 OD
Resolution	0.0001 OD
Wavelength range	400 – 750 nm
Wavelength selection	up to 8 filters on wheel standard filters 405, 450, 492 and 620 nm***
Accuracy at 450 / 492 nm	
0.000 – 2.000 OD	≤ (0.5 % + 0.010 OD) typical
2.000 – 3.000 OD	≤ (1 % + 0.010 OD) typical
Precision / Reproducibility at 450 / 492 nm	
0.000 – 2.000 OD	≤ (0.5 % + 0.005 OD)
2.000 – 3.000 OD	≤ (1.0 % + 0.005 OD)
Linearity	
0.000 – 2.000 OD	≤ 1.0 %
2.000 – 3.000 OD	≤ 1.5 %
Shaking	linear shaking in 4 different modes
Computer interface	USB 1.1 / 2.0
Dimensions Infinite F50 / Infinite F50 Robotic	height: 13.4 cm (5.28 in) / 13.4 cm (5.28 in) width: 34.7 cm (13.66 in) / 35.7 cm (14.07 in) depth: 18.9 cm (7.44 in) / 19.1 cm (7.51 in)
Weight	< 3 kg
Power supply	External power supply: 100 – 240 V AC, 50 / 60 Hz, max. 1.2 A (auto sensing)

## Tecan – Who we are

Tecan is a leading global provider of laboratory instruments and solutions in biopharmaceuticals, forensics, clinical diagnostics, academic centers and life science industries, and specializes in the development and production of automation solutions, detection instruments such as microplate readers, microarray-related products and washers.

Founded in Switzerland in 1980, Tecan has manufacturing, research and development sites in both North America and Europe, and maintains a sales and service network in 52 countries. To date, Tecan has distributed approximately 20,000 microplate readers worldwide and is committed to continuous technological improvements and compliance to global quality standards.

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\*together with Magellan Tracker software

\*\*For further details please refer to Magellan software features ([www.tecan.com/magellan](http://www.tecan.com/magellan)).

\*\*\*additional filters available separately

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