Introducing the Implen **OD600®**

- Modern, stand-alone, battery powered device with direct operation via the touchscreen display
- Designed with simplicity in mind, the OD600 features an intuitive interface for easy operation
- Fast and easy determination of cell density at 600 nm
- Measure OD600 values up to 4 A









Utmost Compatibility Without Adapters

- DiluCell™
- All commercial cuvettes
- Reagent tubes (10, 12, 16 and 18 mm)

Advanced Connectivity Options

- Data export to USB – .xls and .csv formats
- LIMS integration via WiFi, LAN/Ethernet (REST API PUSH)

Touchscreen Display

- 3.5“ glove-compatible touchscreen
- Easy-to-clean, smooth glass surface ideal for usage in laminar flow or biosafety hoods. Additionally, the device can be used in incubation chambers and under anaerobic conditions*

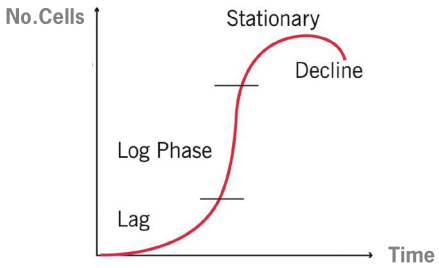
Stand-alone Operation

- Integrated battery with a runtime of > 8 h (continuous use)
- 4 GB storage capacity
- Software is available in 6 languages – English, Chinese, Japanese, German, Spanish, and French

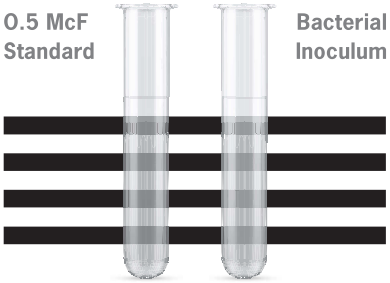


The Device is Pre-programmed with Intuitive OD600 and McFarland Applications

OD600 Application



McFarland Application



*Certain restrictions or limitations apply. Please contact Support.

Technical Specifications

Optical Specifications & Displayed Information		
Wavelength	600 nm	
Photometric Range	OD600: 0 – 4 A	McFarland: 0 – 16 MFU
Accuracy	OD600: @ 1 A: < ±0.01 A	McFarland: @ 0 – 8 MFU: ≤ ±0.1 MFU
Reproducibility	OD600: @ 1 A: < ±0.002 A	McFarland: @ 0 – 8 MFU: ≤ ±0.05 MFU
Cuvettes/Tubes	DiluCells; 10 mm macro and semi-micro cuvettes; 10, 12, 16, 18 mm glass/falcon tubes – without the need for adapters. Wipeable sample compartment - fixed with drain hole.	
Optical Height	8.5 mm	
Displayed Information	Sample list function: View sample data onboard including Abs value, MFU value, sample name, time and date of measurement	
General Specifications		
Instrument Size	140 (L) x 110 (W) x 70 (H) mm	
Weight	0.6 kg	
Display Size	3.5" glove compatible touchscreen, 480 x 320 pixels	
Memory	4 GB internal memory, access to all previously measured sample data in sample list feature	
Time and Date Data	Manual or automatic time setting	
Connection Capability/Output	Data export via USB A port Charging via USB C port	LIMS integration via WiFi, Ethernet/LAN (Rest API PUSH)
Battery Life	Rechargeable, continuous use for ~8 hours	
Certification	CE, IEC61010-1:2012 and EN 61326-1:2013	
Data Format	.xls and .csv format exportable. For LIMS: JSON	

Features and specifications are subject to change without notice.



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