Implen OD600[®] Technical Specifications

Optical Specifications & Dis	Optical Specifications & Displayed Information				
Wavelength	600 nm				
Photometric Range	OD600: 0 – 4 A	McFarland: 0 – 16 MFU			
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Accuracy	OD600: @ 1 A: <±0.01 A	McFarland: @ 0 – 8 MFU: $\leq \pm 0.1$ MFU			
Reproducibility	OD600: @ 1 A: <±0.002 A	McFarland: @ 0 – 8 MFU: $\leq \pm 0.05$ 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 Wi-Fi®, 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				

DiluCell[™] Optical & General Specifications

Dimensions	12 mm x 12 mm x 45 mm	Automatic Dilution	Factor 10 (1:10)
Pathlength	1 mm (identifiable by special marking)	Volume	300 µl required sample volume
UV/VIS Transparent	Starting from 340 nm		

Ordering Information

Article No.	Description
Implen OD600-EU	Implen OD600-EU Includes: OD600 Instrument, USB-C cable, EU power supply, and Quick Start Guide
Implen OD600-US	Implen OD600-US Includes: OD600 Instrument, USB-C cable, US power supply, and Quick Start Guide
Implen OD600-UK	Implen OD600-UK Includes: OD600 Instrument, USB-C cable, UK power supply, and Quick Start Guide
Implen OD600-CN	Implen OD600-CN Includes: OD600 Instrument, USB-C cable, CN power supply, and Quick Start Guide
Implen OD600-PI	Implen OD600-PI Includes: OD600 Instrument, USB-C cable, Pacific Island power supply (Type I), and Quick Start Guide
DC 10	DiluCell [™] 10 Disposable cuvette with 1/10 virtual dilution, Pack of 96
Implen OD600-Q	IQ/OQ Documentation package for the Implen OD600®





America

North and South

Europe, Asia, South Pacific, Middle East and Africa

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subject to change without notice.



Fast, easy, and accurate determination of cell density at 600 nm













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

Easy-to-clean, smooth glass surface Ideal for usage in laminar flow or biosafety hoods

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UTMOST COMPATIBILITY WITHOUT ADAPTERS

- DiluCell[™]
- All commercial cuvettes
- Reagent tubes -10, 12, 16 and 18 mm; no height restriction
- Wipeable sample compartment

STAND-ALONE OPERATION

- Integrated battery with a runtime of > 8 h (continuous use)
- Unlimited mobility, suitable for use in field work, safety cabinets, and also in incubation chambers even under anaerobic conditions*

$\widehat{}$ LIMS

ADVANCED CONNECTIVITY OPTIONS

- Data export to USB .xls and .csv formats
- LIMS integration via Wi-Fi[®], LAN/Ethernet (REST API PUSH)

8 4 GB

DATA STORAGE & UNIVERSAL CAPABILITIES

• 4 GB storage capacity

MAINTENANCE FREE SETUP

• Software is available in 6 languages -English, Chinese, Japanese, German, Spanish, and French

Touchscreen display 3.5" glove-compatible touchscreen

IMPLEN

USB-A port Fast data export in .xls and .csv file formats

Ambient LED light strip Pulsates while charging

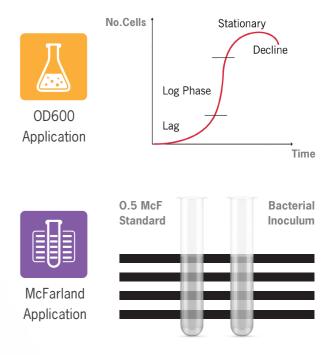
• No moving parts, no recalibration necessary

8 h

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The device is preprogrammed with intuitive **OD600 and McFarland applications**



GMP/GLP ready with DiluCell™ Small volume requirement 300 µl Automatic sample dilution of factor 10

