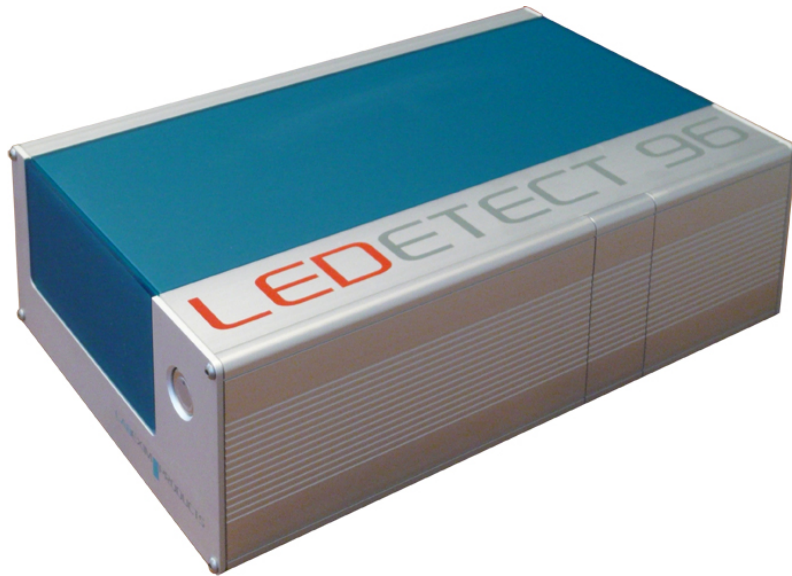


# LABEXIM PRODUCTS



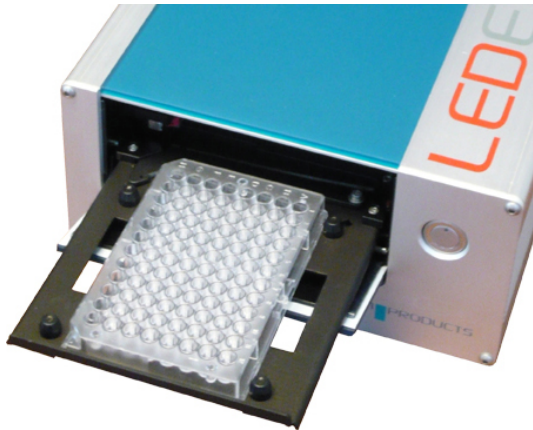
## LEDTECT96

LED based 8 channel Microplate Absorbance Reader

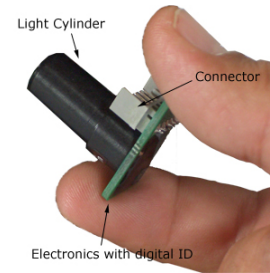
- ◆ LED Technology
- ◆ 340nm - 800nm
- ◆ Low Power Consumption
- ◆ Automatic Wavelength Detection
- ◆ No more lamp replacements
- ◆ IVDR (EU) 2017/746
- ◆ 21 CFR Part II (Capture96 PC software)

# LEDETECT 96

designed in Austria , assembled in Germany



- › LED technology
- › Unrivalled optical performance
- › intelligent LED-plugins
- › UV ready (340nm)
- › Easy and safe operation
- › Computer controlled



**LEDETECT 96** is a computer controlled microplate reader for 96 well plates. Easy and safe operation take away the hassle from your daily microplate reading jobs. It is based on the most modern LED technology, no need to worry about lamp replacements anymore.

**LED Technology:** Instead of lamps and filters, **LEDETECT 96** is fitted with up to 6 intelligent, wavelength specific LED-plugins. Each plugin contains it's own digital ID, LED-light source, filter and lenses in one easily exchangeable component.

**Low power consumption:** In times like these, low power consumption must be a key issue with any electrical devices. With a maximum consumption of 12W during reading and a standby consumption of not more than 2W, **LEDETECT 96** again is setting new standards.

**Unrivalled optical performance:** Using LED's as light source moves all those known problems with halogen lamps used in other readers to history. Modern LEDs are known for their high and extremely stable light energy paired with very low energy consumption at no heat development.

**Intelligent LED Plugins:** Adding new wavelengths (e.g. 340nm) or exchanging existing ones is as easy and safe as 1-2-3. Auto-recognition of the individual plugins takes away the worry about filter positions in the reader.

**Computer Controlled:** **LEDETECT 96** is fully computer controlled. 21 CFR Part 11 compliant Capture96 (included) allows to read plates and collect the raw OD data from the reader. With it's clipboard function, it allows to paste raw data into any spreadsheet program for further calculations.

All these great features combined in one product make **LEDETECT 96** the next generation microplate reader of your choice!

Parameter	Value
Plate Types	96 well, round, flat or V- shaped bottom
Optical system	8 channel absorbance photometer
Light source	Wavelength specific LED
Photodetector	8 Silicon photodiodes
Wavelength range	340 - 800nm
Resolution	0.1 mOD (0.0001 OD)
Indication range	0.000 - 4.000 OD (Abs)
Accuracy	≤± 1% and ± 0.005 OD to 3.5 OD (any wavelength)
Linearity	≤± 0.5% and ± 0.005 OD to 3.5 OD (any wavelength)
Reproducibility	≤± 0.5% and ± 0.005 OD to 3.5 OD (any wavelength)
Meas. Mode	Single and dual wavelength, standard reading or linear scan (30 points/well)
Reading speed	5 seconds (kinetic interval, single wavelength) 10 seconds (96 well, dual wavelength)
Wavelengths	4 wavelengths onboard (405, 450, 492, 620nm) up to 6 possible (340 – 800)
Shaking	4 Shaking modes
PC-Interface	USB 2.0
PC Software	Capture96 included
Dimensions	23cm x 12cm x 36cm (W x H x L)
Weight	6.7 kg net / 8.5 kg gross
Housing	Aluminium
Power requirements	24VDC, 2.5A Consumption: 2W stdby / 12W operation max
CE	IVDR (EU) 2017/746
Scope of Supply	Power adapter 100-240V, 50/60 Hz, USB Cable, 4 Standard Filters, USB Stick with user manual and Capture96 Control Software
Ordering info	WR-302-02 Ledetect96 Microplate Reader WR-302-xxx LED plugin (xxx = nm)

