EloCheck

Inline-Photometer

EloCheck is an automatic inline photometer for continuous analysis of cell suspensions and chemical solutions. Intelligent software makes it easy to use. The control monitor provides various ways of measuring, storing, viewing, comparing and exporting series of optical data.

Advantages
- Fast and high precision of recording
- Course of beam optimized for cell suspensions
- Automatic report generator
- Excellent cost / performance ratio
- Ease to use

Optical measurement
- Wavelength: 630 nm
- Optical thickness of cuvette: 2 mm
- Maintenance-free LED technology
- Continuous inline measurement via autoclavable bypass system
- Optimized for suspensions
- Recording interval: 1 measurement per 15 s to 60 min
- Accuracy: $\pm$ 0.1% (approx. $\pm$ 0.01 at low OD)
- Removable and autoclavable cuvette

Software
- Real-time data monitor
- Direct comparison between actual and archived data
- Alarm at adjustable optical density
- Adjustable graph smoothing
- Report function
- Data Export to ASCII (MS Excel, Origin, PlotIT, StarOffice, OpenOffice.org etc.)
- Integrated timer function
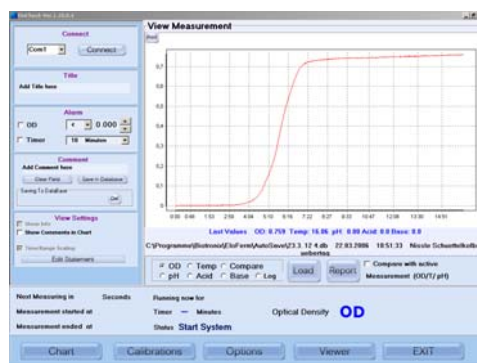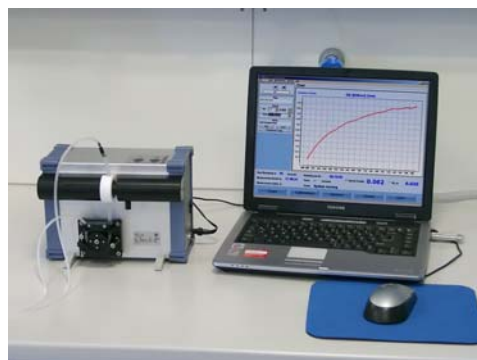
Electrical Characteristics
- External Power supply: 100...240 V, 50...60 Hz, max. 1.5 A (other Voltages available)
- Internal power usage: 12V, max. 100 mA
- PC interface: RS232 (optional USB)

Environment
- Operating temperature: 10...50°C (50...122°F)
- Storage temperature: 10...60°C (50...140°F)
- Humidity: max. 85 %, not condensing
- Protection Class: IP54

Mechanical parameters of EloCheck
- Dimensions (W $\times$ H $\times$ D): 235 $\times$ 108 $\times$ 97 mm
- Weight: 750 g

Mechanical parameters of power supply
- Dimensions (W $\times$ H $\times$ D): 55 $\times$ 92 $\times$ 83 mm
- Weight: 375 g

Included in Delivery
- Photometer unit
- Power supply
- Software for MS Windows
- Autoclavable measurement cell (2 mm)
- Autoclavable bypass-tubes (4 m)
- Interface cable (RS232)
- Instruction manual

Optional accessories
- Interface cable USB
- Additional measurement cells

Contact