



Portable Photometer

for Read-out during ELISA Testings



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Portable Photometer



- Portable photometer for read-out during ELISA testings
- Result within two seconds
- To be used for diverse applications in the analysis of water, food, feed, ...

The advantages at a glance

- ✓ Flexible for several applications
- ✓ Portable and compact
- ✓ Easy handling and control
- ✓ Economic price

Portable Photometer



Photometer with LCD display and control buttons

Interfaces for connection to printer or PC

Power adapter

Connection to power adapter or battery bag



Optical unit

Holder for well-strips or cuvettes

Changable filter (standard equipment 450nm filter)

Incl. comprehensive manual

Portable Photometer



Features

- Wavelength filters for simple and fast exchange
- Convertible: microwell strips, round/square cuvettes
- Can convert between absorbance and concentration value or cut-off decision

Adapt the photometer to different applications within seconds

Benefit



Portable Photometer



Features

- Only two touch buttons for all operations
- LCD display shows instructions to be followed
- RS-232 and centronic interfaces allow connections to computer and optional printer

User-friendly instrument

Can be controlled with minimal training

Perfect even for beginners

Benefit



Portable Photometer



Features

- Small and portable unit
- Robust and resistable
- Can be connected to convenient 12V battery pack

Ideal instrument for fast results on the field or in the laboratory

Benefit



Thermal Printer



Features

- If you connect a printer to the photometer you can print out all blank data, sample data and standard data

There is no need for writing down the results manually

Benefit



Thermal printer additional available



Portable Photometer



- Specifications

P/N	11689
Wavelength range	400 – 700 nm
Filters	Narrow band interference filters Bandwidth: 10 nm \pm 2 nm, Standard: 450 nm
Photodetector	Solid-state silicon photodiode
Display	LCD 16x23 characters
External outputs	RS-232 interface Parallel printer interface
Light source	Focalized tungsten lamp 6V/2W
Absorbance range	0.000 – 2.500 O.D.
Linearity	0.000 – 1.500 O.D. \pm 2 %



Portable Photometer



- Specifications, cont.

Concentration range	00000.00 – 99999.99
Reproducibility	< \pm 0.005 O. D. (under 2.000 O.D.)
Resolution	0.001 O.D. (under 2.000 O.D.)
Data storage	125 sets
Power (adapter)	Input AC 120V/240V Output DC 12V/700mA
Sample compartment	Strip: 9x13 mm standard well-strip Cuvette, round (12 mm in diameter) Cuvette, square (10x10mm, is not included in the standard equipment)
Dimension	15x17x5cm (wdh)
Weight	850 grams (with power adapter)



Portable Photometer at a Glance



- Fast results
- Can flexibly be adapted to your application
- Compact and robust for use on the field
- Easy handling and control
- Economic price

**= Cost effective, practical photometer
to be used in every-day analysis**

Standard Equipment



Product	P/N
Mini-Photometer, contains:	11689
1x 450 nm interference filter	12092
1x 8-well strip holder	12088
1x cuvette holder round (12mm diameter)	12057
1x power adapter (110 V)	12089
1x power adapter (220 V)	12090



Further LCTech Products



- Portable photometer can perfectly be used with the **AflaREAD or AlfaREAD fast ELISA kit** for the detection of Aflatoxin in food and feed

*Afla*READ™ *Afla*READ fast



Further LCTech Products



- Portable photometer can perfectly be used with the **OtaREAD** or **OtaREAD fast** **ELISA kit** for the detection of Ochratoxin A in food and feed

OtaREAD™

OtaREAD fast



Ordering Information



Product	P/N
Mini-Photometer , contains 1x 450 nm interference filter (12092) 1x 8-well-strip holder (12088) 1x cuvette holder round (12057) 1x power adapter (110 V) (12089) 1x power adapter (220 V) (12090)	11689
Square cuvette holder (10x10mm)	12056
3A x 6 Battery pack box	11720
405 nm interference filter	12091
490 nm interference filter	12093
550 nm interference filter	11690
600 nm interference filter	12094
650 nm interference filter	12095
Thermal printer 110 V	12096
Thermal printer 220 V	12097
Printer paper 112mm x 11m/roll	12098





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