

PoolDirect Photometer



- Active oxygen
- Alkalinity, total (M)
- Aluminium
- Ammonia
- Bromine
- Calcium hardness
- Chlorine
- Chlorine dioxide
- Copper
- Cyanuric acid
- Hardness, total
- Hardness, calcium
- Hydrogen peroxide
- Iron
- Iodine
- Langelier Saturation Index
- Ozone
- pH
- PHMB (Biguanide)
- Phosphate
- Sulphate
- Sodium Hypochlorite
- Urea
- Water Balance



Highlights

- Proven Optical System with Dual Beam Technology
- Update of new methods and languages via Internet
- Interface
- Memory for 1000 data sets



This contemporary, multi-parameter photometer caters for the full range of water testing requirements experienced by modern swimming pools. Various national laws and standards and international regulations make high demands on the practicability of the testing unit as well as on the accuracy of results.

The PoolDirect enables swimming pool and spa operators to measure all the relevant parameters for assessing pool water quality rapidly, reliably and with optimum precision.

A large graphic display, a choice of several different languages (German, English, French, Spanish, Italian) and user-friendly operating instructions make the device extremely easy to use.

Delivery Content

The unit is equipped and ready to use for: Chlorine (free, combined, total) 0.02-6.0 mg/l, pH 6.8-8.4, cyanuric acid 1-160 mg/l.

Inclusive of all accessories such as tablet reagents for 100 tests, each 3 sample vials ø 16 mm und ø 24 mm, instruction manual, etc., in carrying case.

Order code: 21 30 70 (U.K. version)

Order code: 21 30 05 (basic version)

with batteries instead of rechargeable batteries, without mains charger and PC connection cable

➔ Please see pages 46 onwards for tests, ranges and reagents

Technical data

Display	Graphic-display
Optics	3 temperature compensating LED, internal reference channel, photodiode in protected sample chamber
Wavelengths	3 interference filters in one unit, $\lambda_1 = 530 \text{ nm IF } \Delta \lambda (\text{nm}) = 5$ $\lambda_2 = 560 \text{ nm IF } \Delta \lambda (\text{nm}) = 5$ $\lambda_3 = 610 \text{ nm IF } \Delta \lambda (\text{nm}) = 6$ IF = Interference filter
Interface	RS232 for printer and PC-connection
Download	Software and methods update by means of the internet
Operation	Acid and solvent resistant, touch-sensitive keypad with audible feedback
Power Supply	7 Ni-MH-battery pack (AA/Mignon), charged whilst in the unit with external mains charger, integrated overload cut-out
Dimensions (L x W x H)	265 x 195 x 70 mm
Weight (unit)	approx. 1000 g with rechargeable batteries
Ambient Conditions	up to max. 90 % humidity (non condensing) approx. 5–40 °C
Auto-Off	approx. 20 minutes after last keypress with no loss of data
Auto-Check	By pressing ON/OFF-key
Memory Capacity	approx. 1000 data sets with date, time and registration number
Approval	CE

Reference Standard Kits

The reference standards are designed to check the accuracy and the reliability of the results.

The shelf life of reference standards is two years from the date of production, provided that storage and use are in accordance with the instructions provided.

Reference Standard Kit Chlorine 21 56 00
0.2* and 1.0* mg/l, for tablet and VARIO methods

Reference Standard Kit Chlorine 21 56 05
0.5* and 2.0* mg/l, for tablet methods only

Reference Standard Kit pH 21 56 10
7.45 pH

* Approximate figure, actual figure specified in Certificate of Analysis

Accessories

Item	Code
Set of 12 round vials with cap Height 48 mm, Ø 24 mm	19 76 20
Sealing ring for vials ø 24 mm (12 pc.)	19 76 26
Cleaning cloth for vials	19 76 35
Plastic beaker, 100 ml	38 48 01
Plastic stirring rod, 13 cm length	36 41 00
Cleaning brush, 10 cm	38 02 30
Syringe, plastic, 2 ml	36 90 80
Syringe, plastic, 5 ml	36 61 20
Syringe, plastic, 10 ml	36 90 90
Rubber seal cap	19 80 15 01
Mains charger, 100 - 240 V, 50 - 60 Hz, with international adapters	19 30 00
Universal adapter for sockets, international	19 20 65
Connection cable for connection PC, serial 9-pins	19 81 98
Ni-MH Accu AA Mignon, 1100 mAh (7 pc.)	19 50 02 0
Lithium battery	19 50 01 7
Paper printer DPN 2335	19 80 75

Verification Standard Kit

The Verification standard kit for the PoolDirect is designed to reassure the user about the accuracy and the reliability of the results.

The shelf life of the Verification standard kit is two years from the date of production, provided that storage and use are in accordance with the instructions provided.

Measurements are taken in mAbs.

Verification Standard Kit 21 56 60