

PoolDirect Photometer



Proven Optical System with Dual Beam Technology



Highlights

- Waterproof
- Pre-programmed for all relevant methods
- Includes calculation of the Langelier Saturation Index
- Large graphic display
- Multilingual user guide
- Storage 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.

Tests

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

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, 3 sample vials, 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

Order code: 21 30 10 (International version)

Order code: 21 30 00 (German version)

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

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, TI connector	19 20 55
Mains charger, as 19 20 55, with UK connector	19 20 45
Mains charger, as 19 20 55, with USA/Japan connector	19 20 46
Mains charger, as 19 20 55, with Australia connector	19 20 47
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

Reference Standard Kit

The reference standards are designed to check the accuracy and the reliability of the results. The following kits are available:

Reference Standard Kit Chlorine 21 56 00
0.2* and 1.0* mg/l

Reference Standard Kit Chlorine 21 56 05
0.5* and 2.0* mg/l

Reference Standard Kit pH 21 56 10

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.

* Approximate figure, actual figure specified in Certificate of Analysis

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.

Verification Standard Kit 21 56 60