Water Analysis

MACHEREY-NAGEL

PF-3 Pool and *VISOCOLOR*®

The perfect team for swimming pools

- Compact photometer with intuitive menu guidance
- Tough and water-proof according to IP 68
- Ideal use right at the swimming pool
- Determination of chlorine, pH, cyanuric acid and total alkalinity

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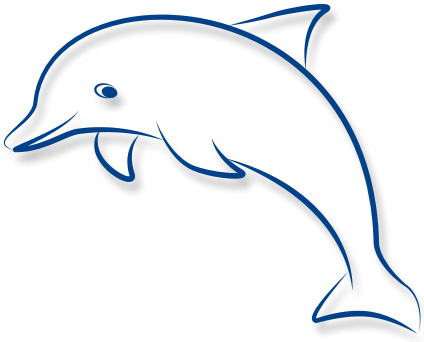
PF-3 Pool and *VISOCOLOR*®

For swimming pool analysis



Swimming pools are important areas of recreation and relaxation. To constantly provide highest water quality and a safe user environment, the water within swimming pools has to be treated, conditioned and closely monitored. For reliable and easy water analysis for swimming pools, the PF-3 Pool is the perfect tool.

The built-in LEDs allow quality control personnel to analyze the classic swimming pool parameters chlorine, pH, cyanuric acid and total alkalinity, as well as a selection of additional parameters, thus providing fundamental and vital information on pool water quality. The PF-3 Pool and *VISOCOLOR*® *ECO* tests combine convenient handling for reliable test procedures and results as well as safe handling for convenient and efficient daily pool water analysis.

PF-3 Pool benefits at a glance

Small and compact

- Handy and light weight
- Glass-fiber reinforced housing
- Water proof according to IP 68
- Shock-resistant optics

Ideal for all your analysis needs in the lab and right at the swimming pool

Easy and convenient

- Intuitive operation using just 4 buttons
- Optional storage for just one 0-measurement
- Results in different units
- Open cuvette slot

Safe results and convenient operation

Smart and clever

- Runs on standard or rechargeable batteries
- Free of charge data export software
- Add new tests and parameters anytime
- Power supply and data transfer via USB port

Flexible use and easy data administration

Technical data compact photometer PF-3 Pool

Type:	LED photometer with 3 interference filters
Wavelengths:	450 nm, 530 nm, 590 nm
Wavelength accuracy:	± 2 nm, bandwidth at half transmission 10–12 nm
Measuring modes:	Pre-programmed MN-tests
Cuvette holder:	Tubes 16 mm OD
Memory:	50 results
Display:	Backlit graphic display, result with unit
Operation:	Self-explanatory menu guidance, foil keypad, test selection via parameter lists
Power supply:	3 AA batteries, rechargeable batteries, USB interface; optional internal accu-pack
Housing:	Water proof, IP 68 certified
Dimensions:	170 x 95 x 68 mm

CE This device complies with the following directives: EMC Directive 2014-30-EU; LVD Directive 2014-35-EU

PF-3 Pool and *VISOCOLOR*®

VISOCOLOR® benefits at a glance

Reliable and accurate

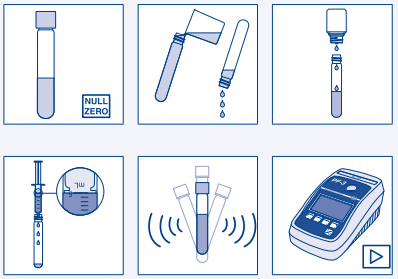
- Highly accurate measurements due to photometric determination with PF-3 Pool
- Simple chemical-analytical methods
- Reaction principles based on internationally acknowledged regulations (DIN, EN, ISO)
- Low susceptibility to interferences assures reliable results

High measurement safety for reliable water analysis

Comfortable and fast

- Intuitive instructions with pictograms
- Color-coded reagent bottles with clear dosing instructions
- Fast-dissolving reagents save time
- Maximum safety for the user and easy disposal

Bequeme Handhabung für sofortiges Arbeiten ohne Schulungen



Fair and economical

- Individual combination of reagent bundles
- Cost efficient refill packs available
- Competent customer service by highly educated and experienced professionals
- Fast replacement availability in case of repairs

Consistently fair concept with impressive price-performance ratio

VISOCOLOR® *ECO* tests running on the PF-3 Pool

VISOCOLOR® *ECO* test	Measurement range	Test number	No. of tests	REF
Alkalinity TA	5–250 mg/L $CaCO_3$	5-04	100	931204
Bromine	0.10–13.00 mg/L Br_2	5-11	200	931211
Chlorine 1, free, total and combined	0.05–2.00 mg/L Cl_2	5-35	150	931235
Chlorine 2, free, total and combined*	0.05–2.00 mg/L Cl_2	5-15	150	931215
free Chlorine 2*	0.05–2.00 mg/L Cl_2	5-16	150	931216
Chlorine 6, free, total and combined	0.05–6.00 mg/L Cl_2	5-17	200	931217
free Chlorine 6	0.05–6.00 mg/L Cl_2	5-19	400	931219
Chlorine dioxide*	0.10–3.80 mg/L ClO_2	5-21	150	931221
Cyanuric acid *	10–100 mg/L Cya	5-23	100	931223
Fluoride*	0.1–2.0 mg/L F^-	5-27	150	931227
Iron 1*	0,04–2,00 mg/L Fe	5-25	150	931225
Iron 2	0.04–2.00 mg/L Fe	5-26	150	931226
Silica HR 200*	10–200 mg/L SiO_2	5-34	100	931234
pH 6.0–8.2	6.10–8.40	5-70	150	931270

* This product contains harmful substances which must be specially labeled as hazardous. For detailed information please see MSDS.

PF-3 Pool and *VISOCOLOR*®

■ *VISOCOLOR*® reagent cases with PF-3 Pool

To provide maximum flexibility, MACHEREY-NAGEL offers flexible case solutions for multiple applications. These mini-labs in rugged cases with premium foam inlays can be equipped in an individual and highly flexible way with different test kits. Catering to our customer needs we also offer a pre-packed reagent case including the PF-3 Pool, all important tests for a complete swimming pool analysis and accessories.

Ordering Information

Description	REF
Compact photometer PF-3 Pool, in a cardboard box, incl. manual, batteries and certificate	919340
Compact photometer PF-3 Pool, in a case with foam inlay, incl. manual, batteries and certificate	934102
Reagent case with photometer PF-3 Pool, with *VISOCOLOR*® *ECO* reagents* chlorine 2 (liquid) free and total, pH 6.0–8.2, cyanuric acid, alkalinity TA	934118
Reagent case with photometer PF-3 Pool with *VISOCOLOR*® *ECO* reagents* chlorine 6 (solid) free and total, pH 6.0–8.2, cyanuric acid, alkalinity TA	934119

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For more information please visit www.mn-net.com/PF-3.

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KATEN100141 Fokusflyer PF-3 Pool en2/0/0/08.2017 DD · Printed in Germany

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