

MACHEREY-NAGEL

PF-3 Pool and VISOCOLOR®



The perfect team for swimming pools

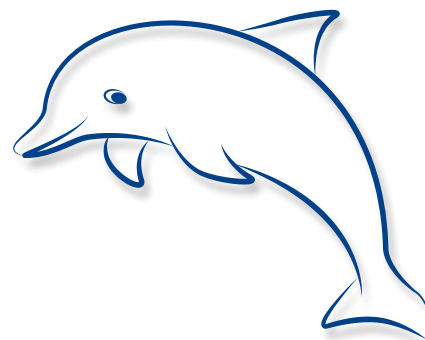
- Compact photometer with intuitive menu guidance
- Tough and water-proof according to IP 68
- Ideal use right at the swimming pool
- Determination of chlorine, pH, cyanuric acid and total alkalinity

Water Analysis

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



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

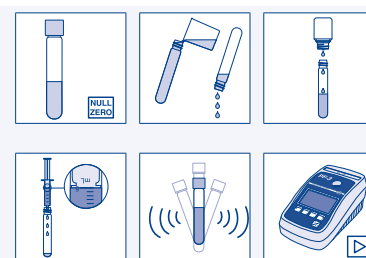
High measurement safety for reliable water analysis



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

Convenient handling for quick analysis without the need for time consuming training



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	931 204
Bromine	0.10–13.00 mg/L Br ₂	5-11	200	931 211
Chlorine 1, free, total and combined	0.05–2.00 mg/L Cl ₂	5-35	150	931 235
Chlorine 2, free, total and combined*	0.05–2.00 mg/L Cl ₂	5-15	150	931 215
free Chlorine 2*	0.05–2.00 mg/L Cl ₂	5-16	150	931 216
Chlorine 6, free, total and combined	0.05–6.00 mg/L Cl ₂	5-17	200	931 217
free Chlorine 6	0.05–6.00 mg/L Cl ₂	5-19	400	931 219
Chlorine dioxide*	0.10–3.80 mg/L ClO ₂	5-21	150	931 221
Cyanuric acid *	10–100 mg/L Cya	5-23	100	931 223
Fluoride*	0.1–2.0 mg/L F ⁻	5-27	150	931 227
Iron 1*	0.04–2.00 mg/L Fe	5-25	150	931 225
Iron 2	0.04–2.00 mg/L Fe	5-26	150	931 226
pH 6.0–8.2	6.10–8.40	5-70	150	931 270
Silica HR 200*	10–200 mg/L SiO ₂	5-34	100	931 234

* 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	919 340
Compact photometer PF-3 Pool, in a case with foam inlay, incl. manual, batteries and certificate	934 102
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	934 118
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	934 119

* These products contain harmful substances which must be specially labeled as hazardous. For detailed information please see MSDS.

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



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