

MACHERY-NAGEL

PF-3 Drinking Water and *VISOCOLOR*[®]



The perfect team for drinking water analysis

- Compact photometer with intuitive menu guidance
- Tough and water-proof according to IP 68
- Mobile use at all water intake points
- Determination of Cl₂, pH, F⁻, Fe, ClO₂

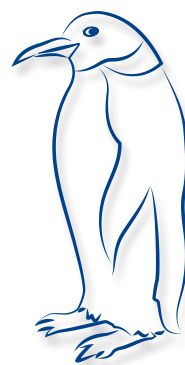
Water Analysis

PF-3 Drinking Water and VISOCOLOR®

For drinking water analysis

Drinking water is the most important foodstuff and cannot be replaced. Hence, it has to be wholesome and free of impurities that may adversely affect human health. Continuous water analysis is therefore the fundament for a sustainable and reliable drinking water supply.

The compact photometer PF-3 Drinking Water in combination with the proven VISOCOLOR® ECO tests allows a quick and easy way of monitoring and checking the most important drinking water parameters (chlorine, chlorine dioxide, pH, fluoride and iron) for all water suppliers and industrial users during drinking water treatment.



PF-3 Drinking Water 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 point of interest



Easy and convenient

- Fully developed menu structure 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 Drinking Water

| | |
|----------------------|---|
| 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, 64 x 128 pix, all important data at a glance: result with unit, data, time |
| 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



www.mn-net.com

PF-3 Drinking Water and VISOCOLOR®

VISOCOLOR® benefits at a glance

Reliable and accurate

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

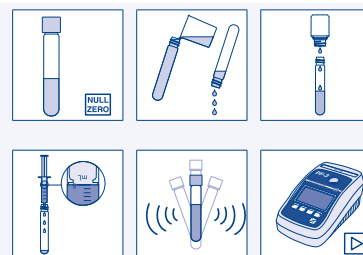
High measurement safety for reliable water analysis



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 Drinking Water

| 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 Drinking Water and VISOCOLOR®

VISOCOLOR® reagent cases with PF-3 Drinking Water

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 Drinking Water, all important tests for a complete drinking water analysis and accessories.



Ordering Information

| Description | REF |
|--|---------|
| Compact photometer PF-3 Drinking Water, in a cardboard box, incl. manual, batteries and certificate | 919 343 |
| Compact photometer PF-3 Drinking Water, in a case with foam inlay, incl. manual, batteries and certificate | 934 402 |
| Reagent case with photometer PF-3 Drinking Water, with VISOCOLOR® ECO reagents* chlorine 2 (liquid) free and total, pH 6.0–8.2, fluoride, iron 2, chlorine dioxide | 934 124 |
| Reagent case with photometer PF-3 Drinking Water, with VISOCOLOR® ECO reagents* chlorine 6 (solid) free and total, pH 6.0–8.2, fluoride, iron 2, chlorine dioxide | 934 125 |

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



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