

# Water Analysis

## Photometer PF-3



Small – Strong – Smart

### Compact photometer PF-3

- Perfectly suited for mobile analysis
- Tough and water proof according to IP 68
- USB connection and free software
- Optional 0-Set function
- Add new tests anytime for free



# Compact photometer PF-3

## Addition to the MN family

The new compact photometer PF-3 is the smallest member of the MACHERY-NAGEL photometer family. It is used to evaluate our proven *VISOCOLOR*<sup>®</sup> *ECO* and *NANOCOLOR*<sup>®</sup> tube tests which are already preprogrammed. The instrument is the logical addition to our product portfolio and perfectly fits our tradition of reliability, user friendliness and innovation.

Due to its compact dimensions the PF-3 is perfectly suitable for measurements directly at the point of interest or at your laboratory. At the core of the PF-3, there are premium high precision optics with especially selected LEDs and first-rate interference filters. As the PF-3 is equipped with three different wavelengths, it will be available in multiple versions for different applications.



## PF-3 overview:

Version	Description	Parameter
PF-3 Pool	For pools / spas	chlorine, pH, cyanuric acid, total alkalinity
PF-3 Drinking Water	For drinking water analysis	chlorine, chlorine dioxide, fluoride, iron 2 and pH
PF-3 Soil	For soil analysis	NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , K <sup>+</sup> , PO <sub>4</sub> <sup>3-</sup>
PF-3 COD	For mobile COD analysis	9 different COD ranges

Additional tests and versions will be launched successively.

## Technical data

<b>Type:</b>	LED photometer with microprocessor control, self-test and auto calibration
<b>Wavelengths:</b>	Depending on version, 3 wavelengths possible
<b>Wavelength accuracy:</b>	± 2 nm, bandwidth at half transmission 10–12 nm
<b>Measuring modes:</b>	Pre-programmed tests ( <i>NANOCOLOR</i> <sup>®</sup> tube tests and <i>VISOCOLOR</i> <sup>®</sup> <i>ECO</i> tests)
<b>Cuvette slot:</b>	Tubes 16 mm OD
<b>Memory:</b>	50 results
<b>Display:</b>	Backlit graphic display, 64 x 128 pix, all important data at a glance: result with unit, date, time
<b>Operation:</b>	Self-explanatory menu guidance, plastic foil keypad, test selection via parameter lists
<b>Power supply:</b>	3 AA batteries, rechargeable batteries, USB interface; optional internal accu-pack
<b>Housing:</b>	Water proof according to IP 68 (1 h, 1 m)
<b>Dimensions:</b>	170 x 95 x 68 mm

 This device complies with the following directives: - 2006/95/EG - Low-Voltage Directive - 2004/108/EG - EMC Directive

## Customer benefits at a glance



### Small and compact

- Handy and easy to carry
- Light and mobile
- Compact dimensions

**Ideal for all your analysis needs in the lab and in the field**



### Strong and tough

- Glass-fibre reinforced housing
- Water proof according to IP 68
- Shock-resistant optics

**Safe results even under the most difficult conditions**



### Easy and convenient

- Intuitive operation using just 4 buttons
- Fully developed menu structure
- Bright display
- Open cuvette slot

**Convenient operation without the need for time consuming training**



### Smart and clever

- Evaluation of both *VISOCOLOR*<sup>®</sup> *ECO* and *NANOCOLOR*<sup>®</sup> tests
- Results in different units
- Optional storage for just one 0-measurement
- Data transfer via USB

**High measurement safety and easy data administration**



### Safe and flexible

- Runs on standard or rechargeable batteries
- Power supply via USB port
- Optional internal accu-pack chargeable via USB

**Consistent and safe workflow**



### Individual and adaptive

- Various case solutions including reagents
- Rugged cases with premium foam inlays
- Flexible case content for multiple applications

**Convenient operation with the perfect case for your need**



### Fair and economical

- Free of charge data export software
- Add new tests and parameters anytime
- Cost efficient photometer and reagent bundles

**Consistently fair concept with impressive price-performance ratio**

# Compact photometer PF-3

## Ordering information

Description	REF
<b>PF-3 Pool</b>	
Compact photometer PF-3 Pool in cardboard box, incl. manual, batteries and certificate	919 340
Compact photometer PF-3 Pool in a case with foam inlay, incl. manual, batteries, certificate and accessories	934 102
<b>PF-3 Drinking water</b>	
Compact photometer PF-3 Drinking Water in cardboard box, incl. manual, batteries and certificate	919 343
Compact photometer PF-3 Drinking Water in a case with foam inlay, incl. manual, batteries, certificate and accessories	934 402
<b>PF-3 Soil</b>	
Compact photometer PF-3 Soil in cardboard box, incl. manual, batteries and certificate	919 341
Compact photometer PF-3 Soil in a case with foam inlay, incl. manual, batteries, certificate and accessories	934 202
<b>PF-3 COD</b>	
Compact photometer PF-3 COD in cardboard box, incl. manual, batteries and certificate	919 342
Compact photometer PF-3 COD in a case with foam inlay, incl. manual, batteries, certificate and accessories	934 302
<b>Accessories</b>	
Mini USB cable for PF-3	919 390
Accu pack for PF-3	919 391
Manual for PF-3	919 392
VISOCOLOR® ECO test instructions for PF-3	934 001



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