

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

MACHEREY-NAGEL

www.mn-net.com



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® ECO* and *NANOCOLOR®* 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_4^+ , NO_3^- , K^+ , PO_4^{3-}
PF-3 COD	For mobile COD analysis	9 different COD ranges

Additional tests and versions will be launched successively. You can see all your current options at www.mn-net.com/PF-3.

Technical data

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