Water Analysis

nalvs



PF-3 and NANOCOLOR®

The perfect team for COD analysis

- Compact photometer with intuitive menu guidance
- Robust and water-proof according to IP 68
- COD analysis according to ISO 15705
- 9 different measuring ranges with just one instrument
- Mobile use right at the point of interest

MACHEREY-NAGEL
www.mn-net.com



PF-3 and NANOCOLOR®

Reliable COD analysis

COD levels play a major role in assessing communal and industrial waste water. As a sum parameter indicating the organic load of waste water, COD is one of the most important parameters in waste water analysis. Among others, COD values are used to calculate and monitor the purification capacities of waste water plants.

The new version G of the compact photometer PF-3 and its 3 wave lengths are specifically designed for COD analysis. It is ideally suited for mobile use directly at the place of sampling. Together with the user friendly *NANOCOLOR*[®] tests, you can obtain information on the COD content quickly and easily. *NANOCOLOR*[®] tube test and the PF-3 allow a complete COD determination between 2–60000 mg/L.

PF-3 customer benefits at a glance







Small and tough

- 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
- · Measurement of reagent blank not necessary
- 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

Туре:	LED photometer with 3 interference filters				
Wavelengths:	Version G: 365 nm, 450 nm, 595 nm				
Wavelength accuracy:	\pm 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, plastic 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: 2006/95/EG - Low-Voltage Directive; 2004/108/EG - EMC Directive

PF-3 and NANOCOLOR®

NANOCOLOR® customer benefits at a glance







Reliable and accurate

- · Intuitive handling and high measurement accuracy
- Simple chemical-analytical methods
- · Reaction principles based on international standards (DIN, EN, ISO)
- · Low interference susceptibility ensures safe results

High measurement safety for reliable water analysis

Precise and versatile

- · Pre-dosed tubes for quick and easy measurements
- · Reaction and detection in the same tube
- · No direct contact with chemicals
- · Ideal for routine analytics and self-monitoring

Especially high accuracy due to pre-dosed reagents

Fair and economical

- · Individual combination of reagent bundles
- · Free of charge seminars and product training
- · Competent customer service by highly educated and experienced professionals
- · Replacement instruments immediately available in case of repairs
- Consistently fair concept with impressive price-performance ratio

NANOCOLOR® COD tests for the PF-3

NANOCOLO	R® test	Measuring range	Test number	Version	Numbers of determinations	REF
COD 40*		2–40 mg/L O ₂	0–27	G	20	985 027
COD 60*		5–60 mg/L O ₂	0–22	G	20	985 022
COD 160*	ISO 15705	15–160 mg/L O ₂	0–26	G	20	985 026
COD 600*	ISO 15705	50–600 mg/L O ₂	0–30	G	20	985 030
COD 1500*	ISO 15705	100–1500 mg/L O ₂	0–29	G	20	985 029
COD 4000*		400–4000 mg/L O ₂	0–11	G	20	985 011
COD 10000*		1,00–10,00 g/L O ₂	0–23	G	20	985 023
COD 15000*		1,0–15,0 g/L O ₂	0–28	G	20	985 028
COD 60000*		5,0–60,0 g/L O ₂	0–12	G	20	985 012

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

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



PF-3 and NANOCOLOR®

NANOCOLOR[®] analysis case

To ensure maximum flexibility, MACHEREY-NAGEL offers practical case solutions for a wide variety of applications.

These mini labs in tough cases with premium foam inlays are available with or without photometer and can be equipped with different tests for individual needs.

The NANOCOLOR® reagent case with compact photometer PF-3 is especially designed for quick COD analysis right at the point of interest. It can be equipped with all the tools that are necessary for your work (heating block, pipettes, etc.). Additionally, up to 3 NANOCOLOR® COD boxes can be stowed within the case.

The COD tests can be run by chemically inexperienced safely, quickly and easily.

Furthermore, the NANOCOLOR® COD tests, COD 160, COD 600, and COD 1500 conform to the ISO 15705 norms in all areas.



Ordering information photometer PF-3 and analysis case

Description

Compact photometer PF-3 version G, in a box, incl. manual, batteries and certificate			
Compact photometer PF-3 version G, in a rugged case with foam inlay, incl. manual, batteries, certificate and accessories	934 302		
NANOCOLOR [®] Analysis case with compact photometer PF-3 version G, for individual combination with 1 heating block NANOCOLOR [®] VARIO C2, 2 pipettes, 3 NANOCOLOR [®] tube tests and accessories	919 212		

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



Your local distributor:

www.mn-net.com

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