

PRODUCT INFORMATION

LABORATORY ANALYSIS

COLORIMETER

POCKET COLORIMETER II



POCKET Colorimeter II – Small in size, big on precision

The POCKET Colorimeter II has already proven its worth, but now it can serve additional application areas: These single parameter meters can now be used for key parameters to evaluate **LANGE cuvette tests** in addition to HACH tests. This dual functionality enables you to make the most of two key benefits: cost-effective meters combined with reagents for various quality standards. The result? Outstanding portable water analysis.

The numerous mini colorimeters on offer can serve a broad range of parameters from A (aluminium) to Z (zinc). Extensive measuring ranges for parameters such as ammonium, COD and chlorine extend the scope to include wastewater and drinking water applications.



LANGE 

UNITED FOR WATER QUALITY

40 POCKET mini colorimeters: Cost-effective, accurate field testing

- Extremely flexible; 40 single-parameter meters
- Suitable for various quality standards owing to a diverse range of tests
- Compact and simple to operate
- Reliable results with no mains connection
- Sturdy design, IP67 standard



From aluminium to zinc (A-Z), the diverse range of single-parameter instruments makes this mini meter a giant in the field of water analysis.

Proven analysis:

Now with even greater flexibility

The POCKET Colorimeter II delivers rapid, reliable results for any application thanks to consistent LANGE cuvette tests and practical HACH tests. Each mini meter can be used with the pre-configured calibration curves or self-programming by the user for special applications. This makes it possible to determine a parameter using both feed and drain samples.

Optimum operation

You can benefit from the high quality design specifications:

- Simple operation: just four buttons are required to operate all functions.
- Safe handling: proven LANGE cuvette tests exclude sources of error instantly. ADDISTA standard solutions result in accurate quality assurance.
- All-weather equipment: optional backlighting, large digit display.

Strong on detail

These lightweight instruments weigh just 230 grams despite their sturdy design, but they can tolerate a lot! They are waterproof in line with IP67, which is ideal for all weather conditions. The POCKETs are also suitable for prolonged use, with the batteries lasting for 2,000 analyses. All models come with a fully equipped carrying case.

Handy carrying case: The POCKET II and its accessories are safely stored and are ideal for field testing.



Parameters from aluminium to zinc (A-Z): The POCKET II evaluates PERMACHEM, ACCUVAC and LANGE cuvette tests.



LANGE reagents are easily assessed using the adapter.



Easy to carry: The lightweight yet sturdy design, combined with simple operation make the mini meter an unbeatable option for field testing.

Order information: LANGE cuvette tests & accessories

CUVETTE TESTS	ORDER NO.
Ammonium (Xn, N)*	
2–47 mg/L NH ₄ -N	LCK 303
0.015–2 mg/L NH ₄ -N	LCK 304
1–12 mg/L NH ₄ -N	LCK 305
Chloride (T, C)	
1.0–1,000 mg/L	LCK 311
Chlorine (free, total)	
0.05–2 mg/L Cl ₂ /O ₃	LCK 310
COD (T, C)	
15–150 mg/L	LCK 314
50–300 mg/L	LCK 614
150–1,000 mg/L	LCK 114
1,000–10,000 mg/L	LCK 014
Formaldehyde	
0.5–10 mg/L	LCK 325
Phosphate (C, Xn)	
0.05–1.5 mg/L PO ₄ -P	LCK 349
0.5–5 mg/L PO ₄ -P	LCK 348
2–20 mg/L PO ₄ -P	LCK 350
Zinc (Xn)	
0.2–6.0 mg/L	LCK 360
ADDISTA standard solutions	DOC062.
LCA700–709, see document	52.00269
ACCESSORIES & SPARE PARTS	
Pipette 0.2–1.0 mL	BBP078
Pipette tips 0.2–1.0 mL	BBP079
Pipette 1.0–5.0 mL	BBP065
Pipette tips 1.0–5.0 mL	BBP068
Empty cuvettes	LCW919
POCKET light protection cap	LZV759
Adapter for LANGE cuvette tests	5954600
Stands for LANGE cuvettes	LYW915
LT 200 thermostat,	LTV082.99.
Single block, for COD + PO ₄ + Zn	10002

* Abbreviations of hazard symbols for reagents, see next page

Measuring with the POCKET II for use with LANGE cuvette tests



Out in the field: Samples are added directly for the pre-configured LANGE cuvette test. The cuvette is ready for use after a short development time.



During this waiting time, the POCKET is set to zero using the blank value cuvettes supplied. All it takes is the touch of a button. The POCKET is then ready to measure the sample cuvette.



Once the light protection cap has been fitted, measurement can start: Simply press the button to read. The large display will show the result.

Order information

POCKET COLORIMETER II IN CARRYING CASE

Meter for parameters incl. reagents	Measurement range [mg/L]	Method	No. of tests	Order no.
Aluminium (Xi)*	0.1–0.8	Aluminon	100	5870025
Ammonium (C, Xn)	0.01–0.8 NH ₃ -N	Salicylate	100	5870040
Bromine	0.05–4.5/0.2–10.0	DPD	50–100	5870001
Copper	0.04–5.0	Bicinchoninate	100	5870019
Chlorine, free + total	0.02–2.0/0.10–8.0	DPD	50	5870000
Chlorine, free + total	0.10–10.0 Cl ₂	DPD	100	5870012
pH	6.0–8.5 pH	Phenol red	100+pH	
Chlorine dioxide	0.05–5.0	DPD, Glycine	100	5870051
Chromium VI (Xi)	0.01–0.7	Diphenylcarbazide	100	5870017
Fluoride (C)	0.10–2.00	SPADNS	50	5870005
Iron (Xn)	0.02–5.0	FerroVer	100	5870022
Iron (Xn)	0.01–1.7	TPTZ	50	5870016
Lead (C)	0.005–0.15	Column extraction	20	5870021
Manganese (T, N)	0.01–0.70	PAN	100	5870018
Manganese (Xi, O)	0.20–20.0	Periodate oxidation	100	5870015
Molybdate	0.02–3.00/ 0.10–12.0	Ternary complex	100	5870010
Nickel + cobalt (T)	0.01–1.00 Ni 0.02–2.00 Co	PAN	100	5870020
Nitrate (T, N)	0.4–30 NO ₃ -N	Cd reduction	100	5870002
Oxygen (Xi)	0.20–10.0	HRDO	50	5870003
Ozone (Xn)	0.01–0.25/ 0.01–0.75	Indigo trisulphonate	50	5870004
Phosphate (ortho/total) (Xi)	0.02–3.00 PO ₄	PhosVer 3	100	5870006
Phosphonate with UV lamp (Xi, Xn, O)	0.10–2.5/ 1.0–125 PO ₄	PhosVer 3/UV	100	5870008
Silica (Xi)	1.0–100 SiO ₂	Molybdate	100	5870034
Sulphate (Xn)	2.0–70	Turbidity	100	5870029
Zinc (Xn, N)	0.02–3.0	Zincon	100	5870009

POCKET COLORIMETER II FOR SPECIAL APPLICATIONS

Wavelength 420 nm	0–2.5 extinction		5870042
Wavelength 450 nm	0–2.5 extinction	Also for immunoassays	5870045
Wavelength 500 nm	0–2.5 extinction		5870050
Wavelength 528 nm	0–2.5 extinction		5870052
Wavelength 550 nm	0–2.5 extinction		5870055
Wavelength 580 nm	0–2.5 extinction		5870058
Wavelength 600 nm	0–2.5 extinction		5870060
Wavelength 665 nm	0–2.5 extinction		5870065

POCKET COLORIMETER II FOR LANGE CUVETTE TESTS**

Kit for ammonium	0.015–47 NH ₄ -N	LCK 303, LCK 304, LCK 305 (Xn, N)*	5953000V.01
Kit for chloride	1.0–1,000	LCK 311 (T, C)	5953000V.07
Kit for chlorine	0.05–2 Cl ₂ /O ₃	LCK 310	5953000V.02
Kit for COD	15–300	LCK 314, LCK 614 (T, C)	5953000V.03
Kit for COD	150–10,000	LCK 114, LCK 014 (T, C)	5953000V.04
Kit for formaldehyde	0.5–10	LCK 325	5953000V.08
Kit for phosphate	0.05–20 PO ₄ -P	LCK 349, LCK 348, LCK 350 (C, Xn)	5953000V.05
Kit for zinc	0.2–6.0 Zn	LCK 350 (Xn)	5953000V.06

* Abbreviations of hazard symbols for reagents

** Cuvette tests must be ordered separately.

Subject to change without notice.

HACH LANGE Services



Contact us to place an order, request information or receive technical support.



Assurance of legal compliance, together with environmental protection via collection service for recycling of used reagents.



www.hach-lange.com
up to date and secure, with downloads, information and e-shop.

Hazard symbols for reagents



Oxidising



Toxic



Harmful



Irritant



Corrosive



Dangerous for the environment

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