

PHOTOMETERS (Colorimeters)



PHOTOMETER. Model D-100

Easy to use, microprocessor controlled.

Precision, low cost for water analysis, industry and teaching laboratories

Wavelength range 415 to 670nm. by interferential filters of high precision of 10nm path light and peak accuracy ± 1 nm

Based on the photometer methods incorporated to their microprocessor, it makes possible the realisation of up to 60 analytical tests with direct readings in ppm using the *DINKO* kits for water test

Automatic zero adjustment

LCD back-light display

Automatic timer warm up with countdown

The keyboard provides a good spill protection.

The function Factor allows the introduction of independent corrective factors for the recalibration of each one parameter in memory. Range: 0, 1 to 1, 9.

10 last readings in memory

Cuvette holder for 16mm. \varnothing round cuvettes and 10mm. path light square cuvettes

Supplied with 4 cuvettes and 1 interferential filter to choice.

Portable version with rechargeable lithium ion battery, automatic disconnect and aluminium case.

SPECIFICATIONS

Parameters	Performances	Parameters	Performances
WL Range	415 - 700nm	Detector	Si Photodiode
Warm up	Automatic 120"	Memory	10 last measurements
Measurement Modes	AB / CONC	Display	LCD high contrast back-light
Wide Band	10nm	Light source	Tungsten lamp
Optic System	Single beam	Key board	Membrane
Stability, drift	$\pm 0,003$ AB after $\frac{1}{2}$ h at 0 A	Repeatability	$\pm 0,5\%T$
Adjustment of WL	Interferential filters	Cuvette holder	Round cuvette 16mm \varnothing and square cuvette 10mm pt.
Zero	Automatic	Self OFF	Portable, automatic
Photometric accuracy	2% at 1A	Operating	100...240V 50/60Hz 1Amp
Photometric Ranges	0,000 to 2,5A; 0-1999ppm	Size	220 x 150 x 70mm
		Weight	1,5kg

Ordering information

Code	Articles
1.9301.00	Colorimeter D-100, Absorbance-ppm, with 1 filter to choice and 4 cuvettes
1.9302.00	Colorimeter D-100P, portable, with 1 filter, rechargeable ion lithium battery and aluminium suitcase

Interferential filters and cuvettes for Photometer D-100

Code	Article	Code	Article
1.9341.00	Filter 415nm	1.9355.00	Filter 577nm
1.9343.00	Filter 450nm	1.9356.00	Filter 630nm
1.9345.00	Filter 490nm	1.9357.00	Filter 670nm
1.9349.00	Filter 520nm	1.9365.00	Cuvette 16mm \varnothing , w/cap, Pk. 4u
1.9352.00	Filter 550nm	1.9363.00	Cuvette path light 10mm, w/ cap, Pk. 100u

PHOTOMETRIC KITS FOR WATER ANALYSIS



Reagents come in tablets for precise dose.

The quality control procedures ensure that the *DINKO* reagents tablets provide photometric performances every time.

The reagents are examined against standards solutions to give the correct results using the *DINKO* photometers

The kits of 25 test-tubes incorporate all the necessary reagents in each tube of 16mm. diameter. Only is necessary to add the sample. The incubation of COD tubes is led to end up with the Heater Block *DINKO* D-65 or D-64D

Name	ppm	Nm	50 T	250 T	Name	ppm	Nm	50 T	250 T
Alkalinity M	0-500	580	9404	9467	Magnesium	0-100	520	9440	9487
Alkalinity P	0-500	520	9405	9468	Manganese	0-0.03	630	9441	9488
Alkalinity T	0-500	580	9403	9466	Manganese	0-5	550	9447	9503
Aluminium	0-0.5	580	9401	9469	Molybdate	0-20	420	9442	9489*
Ammonia (N)	0-1.0	620	9408	9470	Molybdate	0-100	420	9446	9480
Ammonia Nessler	0-15 (N)	420	9002+		Nickel	0-10	520	9448	9490*
Boron	0-2.5	420	9407	9471*	Nitrate(N)	0-20	580	9450	9491*
Bromine	0-10.0	520	9409	9472	Nitrate (N)	0-30	420	9010+	
Calcium, Hardness	0-500	580	9406	9473	Nitrite(N)	0-0.5	520	9454	9492
Chlorine Dioxide	0-5.0	520	9415	9451	Nitrite-SodiumNitrit	0-1500	490	9455	9501
Chlorine DPD F&C	0-5.0	520	9412	9474	Nitrogen Total (N)	0-30	420	9012+	
Chlorine	0-250	490	9413	9483	Organphosphonate	0-20	620	9414	9502
Chloride	0-50000	520	9419	9475	Ozone	0-2.0	520	9445	9449
Chromium(VI)	0-1.0	520	9428	9477	pH	6.8-8.4	520	9417	9504
Chromium(III)	0-1.0	520	9427	9478	Phenol	0-5.0	520	9418	9464*
COD (25 test)	10-150	440	9429+		PHMB	0-100	620	9420	9463
COD (25 test)	100-2000	580	9430+		Phosphate	0-4.0	620	9432	9482*
COD (25 test)	1000-20000	580	9431+		Phosphate	0-100	490	9426	9462
Copper,F&Comb.	0-5.0	520	9422	9476	Phosphorous T (P)	0-12	620	9007+	
Colour	10-500Pt-Co	420	9423		Potassium	0-12	520	9456	9494
Cyanuric Acid	0-200	520	9410	9465	Silica	0-4.0	620	9457	9495*
DEHA	0-500 ppb	550	9439	9505	Silica	0-150	420	9421	9453*
Fluoride	0-1.5	580	9433	9481*	Sulphate	0-200	520	9458	9496
Hardness Total	0-500	580	9434	9479	Sulphite	0-500	580	9459	9497
Hydrazine	0-0.5	440	9435♦	9484♦♦	Sulphide	0-0.5	620	9460	9498*
Hydrogen Peroxide	0-2.0	520	9436	9485	Surfactants anionic	0.05-4.00	620	9371	
Hydrogen Peroxide	0-100	490	9437	9452	Turbidity	5-400NTU	520	9444	
Iron	0-5.0	520	9443	9500	Zinc	0-4.0	620	9411	9499
Iron	0-10	580	9438	9486					

*200 tests. + 25 test tubes . ♦ 30 tests. ♦♦ 150 tests

- The following certified standards are available:
- Anionics: Bromide, Chloride, Phosphate, Nitrate, Nitrite, Sulfate
- Cationics: 1000mg/l, 100ml (to indicate metal)
- COD, 60ml of the following concentration 50, 100, 500, 1500, 5000 and 15000 mg/l
- Ammonia, Colour and Turbidity

Distributor: