

PHOTOMETER

Photoanalyzer. Model D-105

- ◆ Quick determination of most of the tests required in the analysis of waters, foods and industry
- ◆ Memory of up to 200 analytic methods including 60 *DINKO* methods
- ◆ Direct readings in ppm, DQO or pH using the *DINKO* kits
- ◆ User can accede to the memory to enter their own methods or to kits of another origin
- ◆ Readings in absorbance, transmittance and concentration
- ◆ It accepts squar cuvettes of 10 mm. and round of 16 mm. of diameter and it admits interchangeable filters of high resolution with spectral slit width of 10 nm. and peak accuracy of ± 1 nm.
- ◆ In the sample compartment are located the cuvette holder and the lodging for the filters, protected of the external contamination for a sliding cover
- ◆ Function Kinetics with maxim readings of 100 and interval times from 5 to 3600 seconds.



Specifications

Parameters	Performances	Parameters	Performances
Range WL	415 – 670 nm	Detector	Si Photodiode
Measuring modes	ABS / T% / CONC	Display	LCD high contrast backlight
Ancho de banda	10nm	Light source	Tungsten W
Optical system	Single beam	Data input	Membrane keyboard
Stability, drifting	$\pm 0,003$ ABS./1/2h to 0 A	Sample compartment	Round cuvettes 16 mm Ø Square cuvettes 10 mm
Adjustment WL	Interferential filters	Kinetic	Total readings and interval times
Zero	Automatic	Outputs	RS232 (printer) RS485(PC)
Photometric linearity	1%	Operating	100...230V 50/60Hz 18 W
Photometric range	-0,30 a 3,5A;0 to 200,0%T 0-9.999 C	Size	225 x 230 x 90 mm
Repeatability	$\pm 0,5\%$ T	Weight	1,8 kg

Description

Code	Articles
1.9336.00	Photoanalyzer D-105, with 1 filter to choice and cuvettes
1.9363.00	Square cuvettes, plastic. 10 mm. path light, with cap, 100pcs
1.9365.00	Round cuvette, 16 mm. Ø with screw cap, 4pcs
1.9341.00	High resolution filter 415 nm
1.9343.00	High resolution filter 450 nm
1.9345.00	High resolution filter 490 nm
1.9349.00	High resolution filter 520 nm
1.9352.00	High resolution filter 550 nm
1.9355.00	High resolution filter 577 nm
1.9356.00	High resolution filter 630 nm
1.9357.00	High resolution filter 670 nm

Printer

Available others filters

KITS, Photometrics, for water analysis

DINKO Photometers provides a quick and simple method of analysis. The reagents of the kits come with tablet form for maximum convenience, simplicity use and repetitive dose. The test is simply carried out by adding tablets to a sample of water.



The kits included a calibration chart for the Photometer D-101

The Photometers D-100 and D-105 avoids the use of charts, because it has them memorised

The kits are manufactured in 50 or 250 test size. The kits of 25 test-tubes, it incorporates all the necessary reagents in each tube of 16mm. diameter. Only is necessary to add the sample. It is the case of Ammonia Nessler, COD, Nitrate, Total Nitrogen and Total Phosphorus. The incubation of COD tubes is led to end up with the Heater *Dinko* D-65 or D-64D

KITS, Photometrics, for water analysis.

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)(1)	0-30	420	9012+	
Chlorine	0-250	490	9413	9483	Organophosphonate	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	0-500ppb	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. + Kits of 25 test-tubes. ♦ 30 tests. ♦♦ 150 tests. (1) Need the Nitrate kit code 9010.

The following certified standards are available:

- Anionics: Bromide, Chloride, Phosphate, Nitrate, Nitrite, Sulphate
- Cationics, 1000 mg/l, 100 ml (to indicate metall)
- COD, 60 ml of the following concentration 50, 100, 500, 1500, 5000 and 15000 mg /l
- Ammonia
- Colour
- Turbidity

Distributor:

www.dinko.es