

TURBIDIMETER

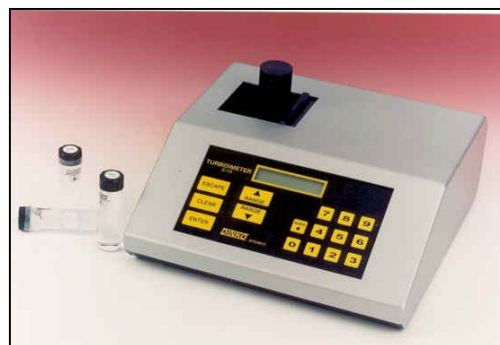
Model D-112

The *DINKO* Turbidimeters are a nephelometric instruments that senses the quantity of light-reflecting particles in water.

A beam of light is focused and passed through the sample.

Light scattered by particles in water is detected by photo cells located at 90° angle to the incident beam of light and displays the results in NTU (Nephelometric Turbidity Units)

The D-112 is designed according 180.1 EPA method related in "EPA Manual of Methods for Chemical Analyses of Water and Wastes" U.S.A. with tungsten wide-band light source.



The D-112IR is according ISO 7027(DIN 27027) requirements with a infrared led 860nm peak wavelength source

PECULIARITIES- To alleviate the influence of diffuse light, the colour of the sample and the difference between the angles of scattering light according to the size of the particles, a group of sensors covering 360° around the sample tube is used.

The signals obtained are averaged automatically and turbidity readings **RATIO** are offered in NTU units on the right scale without user intervention.

SIGNAL AVERAGING- By means of the **AVERAGE** key on the front panel the ratio readings made in a given time are automatically averaged.

CALIBRATION-The instrument is supplied calibrated, but it has the function of user recalibration in 4 points. An excessive deviation in subsequent calibrations generates an "error" message in the reader. The membrane keyboard prevents accidental change of the set values and calibrations can be spaced.

The parameters involved in the calibration process, readings, time and date are accessible for adjustment and maintenance work.

PRESENTATION- Turbidimeter D-112 has resistance housing in coloured metallic grey and black keyboard, back-light LCD display, general rear switch, and fuse of protection. The apparatus is give with 8 sample cuvettes and instruction manual

Specifications

Parameters	Performances	Parameters	Performances
Auto-Range	0-9,999 / 10,00-99,99 /100,0 - 999,9 / 1000-2000 NTU	Display	LCD high contrast back-light
Accuracy	± 2%	Average readings	Control Time
Resolution	0,001 NTU	Sample required	Minimal 5ml
Repeatability	± 1% of reading	Warm up	Automatic
Light source	Tungsten W / LED, infrared	Memory	The10 last readings
Input	Membrane Keyboard	Size	250 x 260 x 95mm
Output	RS232(printer) / RS485(PC)	Weight	2 Kg
Readings	Ratio, instant or average, in NTU	Power	230V 50/60Hz

Description

Code	Model	Articles
1.9773.00	D-112	Turbidimeter, bench-top, white light, 8 cuvettes
1.9793.00	D-112IR	Turbidimeter, bench-top, infrared light, 8 cuvettes

SDVB Turbidity Standards, conform EPA/ ISO, with certificate. Cuvettes

Code	Articles
1.9775.00	Sample cuvettes, optically selected, 4pcs
1.9776.00	5NTU Primary Standard, SDVB, 60ml
1.9777.00	40NTU Primary Standard, SDVB, 60ml
1.9778.00	400NTU Primary Standard, SDVB, 60ml
1.9784.00	1500NTU Formazine Primary Standard, 60ml
1.9796.00	5NTU Primary Standard IR, SDVB, 60ml
1.9797.00	40NTU Primary Standard IR, SDVB, 60ml
1.9798.00	400NTU Primary Standard IR, SDVB, 60ml
1.9779.00	4000NTU Formazine Primary Standard, 125ml
1.9790.00	Antistatic-cleaning solution, 250ml.

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