

DINKO

Instruments

TURBIDIMETER

Model D-110

The *DINKO* Turbidimeters are nephelometric instruments that sense 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 model D-110 is designed according the EPA method 180.1 related in "EPA Manual of Methods for Chemical Analyses of Water and Wastes" U.S.A. with tungsten wide-band light source

The model D-110IR is designed according ISO 7027(DIN 27027) requirements with a infrared led 860nm peak wavelength source



To alleviate the influence of diffuse light, the color sample and the difference between the angles of scattering light according 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.

The Turbidimeter is supplied calibrated. The membrane keyboard prevents accidental change of the set values and user re-calibrations can be spaced. The user re-calibration includes zero.

Turbidimeter 110 has resistance housing in coloured metallic grey, black keyboard, back-light LCD display, general rear switch, and fuse of protection.

The portable version P includes inside rechargeable battery up to 1000 test and aluminium carrying case. It can also operate at 230V 50/60Hz.

The apparatus is given with 8 sample cuvettes and instruction manual.

Specifications

Parameters	Performances	Parameters	Performances
Range	0 - 9,99 / 10 - 99,9 and 100 - 999NTU	Display	LCD high contrast back-light
Accuracy	± 2% scale 1 and 2 / ± 3% scale 3	Sample required	Minimal 5ml
Resolution	0,01 NTU	Memory	The last 10 readings
Repeatability	± 1% of reading	Size	190 x 210 x 70mm
Light source	Tungsten W / LED infrared	Weight	1,5 Kg
Input	Membrane Keyboard	Power	230V 50/60Hz / Battery (model P)

Description

Code	Model	Articles
1.9771.00	D-110	Turbidimeter, bench-top, white light, 8 cuvettes
1.9772.00	D-110P	Turbidimeter, portable, white light, 8 cuvettes, battery and aluminium case
1.9791.00	D-110IR	Turbidimeter, bench-top, infrared light, 8 cuvettes
1.9792.00	D-110IR-P	Turbidimeter, portable, infrared light, 8 cuvettes, battery and aluminium case

SDVB Turbidity Standard, 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
1.9796.00	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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