

HI 83210

Multiparameter Photometer for Pulp and Paper Mills

Water is an indispensable medium for all stages of paper production. It is used for suspending and swelling, transport, the dissolution and the rebuilding of fiber bondings and more.

Due to shrinking water resources, and subsequently, rising costs of available water supplies, more stringent environmental legislation has been put in place, strictly regulating industrial water consumption. Amongst the many industries effected, pulp and paper mills have imposed a trend towards less water consumption. This requires precise monitoring of chemicals and water supplies.

HI 83210 is a multiparameter bench meter that measures twelve methods essential for paper production. It has four channels allowing for a wide range of tests.

The optical system of HI 83210 is based on special subminiature tungsten lamps and narrow-band interference filters to guarantee both high performance and reliable results.

HI 83210 has a powerful interactive user support that assists the user during the analysis process. A full tutorial is available in the Setup Menu, and the Help Menu provides assistance for every step in the measurement process. This meter can be connected to a PC via a USB cable, where the data can be managed with optional HI 92000 Windows® compatible software.



ADP
Application Designed Photometers

12
methods



ORDERING INFORMATION

HI 83210-01 (115V) and HI 83210-02 (230V), are supplied with sample cuvettes with caps (4 ea.), cloth for wiping cuvettes, 60 mL glass bottle for dissolved oxygen analysis, scissors, ADOC power adapter and instruction manual

TEST	RANGE	METHOD	REAGENT CODE¹
Aluminum	0.00 to 1.00 mg/L (ppm)	Aluminon	HI 93712-01
Chlorine Dioxide	0.00 to 2.00 mg/L (ppm)	Chlorophenol Red	HI 93738-01
Chlorine*, Free	0.00 to 2.50 mg/L (ppm)	DPD	HI 93701-01
Chlorine*, Total	0.00 to 3.50 mg/L (ppm)	DPD	HI 93711-01
Color of Water	0 to 500 PCU	Platinum Cobalt	-
Oxygen, Dissolved (DO)	0.0 to 10.0 mg/L (ppm)	Winkler	HI 93732-01
pH	6.5 to 8.5 pH	Phenol Red	HI 93710-01
Phosphate HR	0.0 to 30.0 mg/L (ppm)	Amino Acid	HI 93717-01
Phosphate LR	0.00 to 2.50 mg/L (ppm)	Ascorbic Acid	HI 93713-01
Silica	0.00 to 2.00 mg/L (ppm)	Heteropoly blue	HI 93705-01
Silver	0.000 to 1.000 mg/L (ppm)	PAN	HI 93737-01**
Zinc	0.00 to 3.00 mg/L (ppm)	Zincon	HI 93731-01

Reagents are available in liquid or powder form, and the amount of each reagent is precisely dosed to ensure maximum repeatability.
¹ Unless noted otherwise, all reagent codes end with -01 for 300 tests. Replace the -01 with -02 for 100 tests.
² For Chlorine, liquid reagents are available. ** Reagents for 50 tests.

For a complete list of Reagents, see Reagents Section 18.