Water Analyzer

HUMAN Lab® Humas HS-2300

❶ Features

- Spectrophotometer type water analyer using the water test kit
- Convenience and easy to use in the laboratory as well as a plant
- Digital LED display and automatic battery saver
- Versatile application : laboratory,plant,drinking water treatment system

❷ Specifications

Model	HS-2300
Measurement	Photometric method by special reagent
Light source	LED lamp / 405,470,525,605,880nm
Detector	High sensitive silicon photodiode
Control &display	Digital LED 16x4 line
Interface	RS232
Power source	110~240VAC,50/50Hz, 12V battery 900mA
Overall (WxDxH)	250x200x85mm
Weight	4 Kg

Specification of water test kits

HS-1000GW HS-2300 HS-1000C HS-2300S HS-1000NP HS-3300 HS-1000CL HS-R200

Item		Analytical Item	Range (mg/ℓ)	Method	Pack'g (pc/box)	Cat. No.
COD	HS-COD-UR	COD(Cr)(Chemical Oxygen Demand)	5~40	Reaction Digestion	50	01011-01
	HS-COD-LR	COD(Cr)(Chemical Oxygen Demand)	15~150	Reaction Digestion	100	01012-01
	HS-COD-MR	COD(Cr)(Chemical Oxygen Demand)	50~1500	Reaction Digestion	100	01013-01
	HS-COD-HR	COD(Cr)(Chemical Oxygen Demand)	500~15000	Reaction Digestion	100	01014-01
	HS-COD(Mn)-L	COD(Mn)(Chemical Oxygen Demand)	0.6~20	Reaction Digestion	100	01110-01
	HS-COD(Mn)-H	COD(Mn)(Chemical Oxygen Demand)	20~100	Reaction Digestion	100	19014-01
Nitrogen & Phos.	HS-TN-U	TN(Nitrogen, Total)	0.2~5	Cadmium Reduction	100	02011-01
	HS-TN-L	TN(Nitrogen, Total)	2.5~20	Brucine	50	02012-01
	HS-TN-H	TN(Nitrogen, Total)	10~100	Brucine	50	02014-01
	HS-TN(CA)-L	TN(Nitrogen, Total)	1~50	Chromatropic Acid	50	02022-01
	HS-TN(CA)-H	TN(Nitrogen, Total)	10~100	Chromatropic Acid	50	02024-01
	HS-NO_3(N)-L	NO_3-N(Nitrogen, Nitrate)	0.2~10	Cadmium Reduction	100	05020-01
	HS-NO_3(N)-H	NO_3-N(Nitrogen, Nitrate)	1~15	Brucine	100	05010-01
	HS-NO_2(N)-L	NO_2-N(Nitrogen, Nitrite)	0.1~1	NED	100	04012-01
	HS-NO_2(N)-H	NO_3-N(Nitrogen, Nitrite)	5~150	FSS	100	04014-01
	HS-NH_3(N)-U	NH_3-N(Nitrogen, Ammonia)	0.03~1	Cyanuric Acid	50	06031-01
	HS-NH_3(N)-L	NH_3-N(Nitrogen, Ammonia)	0.2~6	Nessler	100	06012-01
	HS-NH_3(N)-H	NH_3-N(Nitrogen, Ammonia)	2~60	Nessler	100	06014-01
	HS-NH_3(NW)-L	NH_3-N(Nitrogen, Ammonia)	0.2~6	Nessler	100	06022-01
	HS-NH_3(NW)-H	NH_3-N(Nitrogen, Ammonia)	2~60	Nessler	100	06024-01
	HS-TP-L	TP(Phosphorus, Total)	0.01~3	Ascorbic Acid	100	03012-01
	HS-TP-H	TP(Phosphorus, Total)	1~15	Molybdo Vanadate	100	03014-01
	HS-PO_4(P)-L	PO_4-P(Orthophosphate)	0.01~3	Ascorbic Acid	100	07012-01
	HS-PO_4(P)-H	PO_4-P(Orthophosphate)	1~15	Molybdo Vanadate	100	07014-01
Heavy Metal & Etc.	HS-CU	Cu(Copper)	0.1~5	Bathocuproine	50	15010-01
	HS-Fe(T)	Fe(Iron, Total)	0.1~5	Phenanthroine	50	16010-01
	HS-Fe(+2)	Fe(Iron, Ferrous)	0.1~5	Phenanthroine	50	16020-01
	HS-Zn	Zn(Zinc)	0.1~5	Zincon	50	17010-01
	HS-Cr(T)	Cr(Chromium, Total)	0.1~1	Diphenylcarbazide	50	12010-01
	HS-Cr(+6)	Cr^{+6}(Chromium, Hexavalent)	0.1~1	Diphenylcarbazide	50	11010-01
	HS-Mn	Mn(Manganese)	0~20	Periodate Oxidation	50	13010-01
	HS-Al	Al(Aluminium)	0.01~0.25	ECR	50	27010-01
	HS-Cl_2(T)	Cl_2(Chlorine, Total)	0.1~2	DPD	50	10020-01
	HS-Cl_2(Free)	Cl_2(Chlorine, Free)	0.1~2	DPD	50	10030-01
	HS-Phenol	Phenol	0.1~10	Direct Photometric	50	09012-01
	HS-SO_4-L	SO_4^{-2}(Sulfate)	5~50	Gravimetric	50	08012-01
	HS-SO_4-H	SO_4^{-2}(Sulfate)	10~70	Gravimetric	50	08014-01
	HS-F	F^-(Fluoride)	0.1~1.5	SPANDS	50	26010-01
	HS-CN	CN^-(Cyanide)	0.005~0.5	DP	50	25010-11
	HS-Cl-L	Cl^-(Cyanide)	1~20	Mercuric Thiocyanate	50	35012-01
	HS-Cl-H	Cl^-(Cyanide)	20~60			35014-01
	HS-I_2	I_2(Iodine)	0.1~2	DPD	50	36010-01
	HS-H_2O_2-L	H_2O_2(Hydrogen peroxide)	0.5~30	Titanium Sulfate	50	26012-01
	HS-H_2O_2-H	H_2O_2(Hydrogen peroxide)	3~300	Titanium Sulfate	50	26014-01
	HS-Pb	Pb(Lead)	0~0.3	Dithizone	50	38010-01
	HS-Cd	Cd(Cadmium)	0~0.08	Dithizone	50	41010-01
	HS-As	As(Arsenic)	0~0.2	SDB	50	39010-01
	HS-ABS	ABS(Detergents)	0~0.275	Crystal Violet	50	40010-01
	HS-S	S-(Sulfide)	0.5~5	Methylene Blue	50	37010-01
Sea Water	HS-TN(SW)	TN(Nitrogen, Total)	0.05~2	Cadmium Reduction	50	28010-01
	HS-TP(SW)	TN(Phosphorus, Total)	0.01~3	Ascorbic Acid	50	30010-01
	HS-COD(Mn)-SW	COD(Mn)	0.2~3	Permanganate	50	29010-01
	HS-NO_3(N)-SW	NO_3-N(Nitrogen, Nitrate)	0.1~2	Cadmium Reduction	50	31010-01
	HS-NO_2(N)-SW	NO_2-N(Nitrogen, Nitrate)	0.05~1	NED	50	32010-01
	HS-NH_3(N)-SW	NH_3-N(Nitrogen, Ammonia)	0.03~1	Cyanuric Acid	50	33010-01
	HS-PO_4(P)-SW	PO_4-P(Orthophosphate)	0.01~3	Ascorbic Acid	50	34010-01