

Desktop High-precision Water Quality Analyzer LH-T725

Water Quality Test Analyzer Series



Introduction

LH-T725 uses high-precision LED light source and advanced optical structure, adoption an intelligent detection system, Hundreds of data collections per second, and filtering algorithms to eliminate interference, improve data accuracy. The 7-inch IPS large touch screen makes the measurement results intuitive and clear. The helpful assistant for scientific research, data analysis, and water quality testing.

Feature



The light source advantage

Adopt LED light source, excellent optical performance, no preheating required, life time up to 100,000 hours.



Operational intelligence

Intelligent program guide users to complete operations easily.



Operation safety

Compatible with colorimetric bottles in volume 10ml and digestion tubes in diameter 16mm.



Low using cost

Reagent is in low price and low consumption.

Detail



Application



Chemical engineering



Water treatment plant



Metallurgy and forging

Technical Data

Measuring Items	COD	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Detection method	Potassium dichromate method Potassium permanganate method	Salicylic acid method Nessler's reagent method	Ammonium molybdate method	Thymol method
Measuring Range	10-15000mg/L	0.02-100mg/L	0.02-20mg/L	0.5-500mg/L
Measuring Minimum	10mg/L	0.02mg/L	0.02mg/L	0.5mg/L
Digestion Temperature & Time	165°C,20min	N/A	150°C,15min	125°C,30min
Accuracy	≤±5% or±4mg/L	≤±5% or±0.1mg/L	≤±5% or±0.04mg/L	≤±5%or±0.4mg/L
Repeatability	≤3%	≤3%	≤3%	≤3%

Technical Parameter

Accuracy	≤±5%
Repeatability	3%
Absorbance Detection range	0-3.5Abs
Optical path Stability	≤±0.002Abs/30min
Absorbance Resolution	0.001Abs
Operation Repeatability	≤±0.005Abs
Light Source Life	100,000 hours
FilterLife	5 years
Size	412mm×253mm×164mm
Weigh	3.25Kg
Power	DC 12V/5A
Operating conditions	Humidity:0-50°C Relative humidity:0-90%(non-condensing)
Data storage	10000 pcs

Test Item

Number	Test Item	Measuring range (mg/L)	Detection lower limit (mg/L)
1	COD	10-15000	10
2	Ammonia Nitrogen	0.02-100	0.02
3	Total Phosphorus	0.02-20	0.02
4	Total Nitrogen	0.5-500	0.5
5	Permanganate	0.5-25	0.5
6	Hexavalent chromium	0.2-3	0.2
7	Total chromium	0.2-3	0.2
8	Nickel	0.05-5	0.05
9	Total nickel	0.05-5	0.05
10	Zinc	0.05-5	0.05
11	Total zinc	0.1-5	0.1
12	Copper	0.02-2	0.02
13	Total copper	0.02-2	0.02
14	Ferrous	0.02-3	0.02
15	Total iron	0.02-3	0.02
16	Manganese	0.5-20	0.5
17	Total manganese	0.5-20	0.5
18	Cadmium	0.03-1	0.03
19	Total cadmium	0.03-1	0.03
20	Aluminum	0.02-0.5	0.02
21	Silicon	0.02-100	0.02
22	Chloride	8-500	8
23	Cyanide	0.005-0.5	0.005
24	Fluoride	0.02-5	0.02
25	Cyanuric acid	5-160	5
26	Aniline	0.01-2	0.01
27	Formaldehyde	0.02-1.5	0.02
28	Sulfide	0.004-1	0.004
29	Volatile	0.05-5	0.05
30	Nitrite	0.005-0.3	0.005
31	Nitrate	0.5-40	0.5
32	Phosphate	0.02-2	0.02
33	pH	6.5-9	/
34	Dissolved Oxygen	1-20	1
35	Residual chlorine	0.02-12	0.02
36	Total chlorine	0.02-12	0.02
37	Chlorine dioxide	0.02-5	0.02
38	Total hardness	0.5-500	0.5
39	Total alkalinity	5-3000	5
40	Ozone	0.01-2.5	0.01
41	Urea	0.1-20	0.1