

Desktop High-precision WaterQuality 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.

Application



Chemical engineering



Water treatment plant



Metallurgy and forging

Detail



Technical Data

Measuring Items	COD	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Measuring Range	0-15000mg/L (Segmentation)	0-50mg/L (Segmentation)	0-20mg/L (Segmentation)	0-500mg/L
Measuring Minimum	5mg/L	0.05mg/L	0.02mg/L	0.25mg/L
Digestion Temperature	165°C,20min	N/A	150°C,15min	125°C,30min
Indication Error	≤±5% or±4mg/L	≤±5% or±0.1mg/L	≤±5% or±0.04mg/L	≤±5% or±0.4mg/L
Repeatability	3%	3%	3%	3%
Indication Error	≤±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			
Filter Life	5 years			
Size	412mm×253mm×164mm			
Weigh	3.25Kg			
Power	DC 12V/5A			

Regular Test Item

Test item	Range: mg/L	Min Lower Measuring
COD LR	10-150	10
COD HR1	100-1500	100
COD HR2	1000-15000	
Total phosphorus LR	0.02-2	0.02
Total phosphorus HR	2-20	
Ammonia nitrogen salicylic acid LR	0.02-2.5	0.02
Ammonia nitrogen salicylic acid HR	0.4-50	
Total Nitrogen LR	0.5-50	0.5
Total Nitrogen HR	50-500	
Ammonia Nitrogen LR	0.05-10	0.05
Ammonia Nitrogen HR	10-100	
COD Reagent LR	10-150	10
COD Reagent HR1	100-1500	100
COD Reagent HR2	1000-15000	
Residual Chlorine LR	0.02-3	0.02
Residual Chlorine HR	0.1-12	0.1
Total Chlorine LR	0.02-3	0.02
Total Chlorine HR	0.1-12	0.1
Ozone	0.01-2.5	0.01
Chlorine dioxide	0.02-5	0.02
Sulfide	0.01-1	0.01
Dissolved Oxygen	1-20	1
Phosphate	0.01-2	0.01
Nitrate	0.5-40	0.5
Nitrite	0.003-0.3	0.003
Urea	0.1-20	0.1

Test item	Range: mg/L	Min Lower Measuring
Total alkalinity LR	5-280	5
Total alkalinity HR	50-2800	
Total Hardness LR	4-100	4
Total Hardness HR	100-500	
COD Mn(alkalinity)	0.5-5	0.5
COD Mn(alkalinity)	5-25	
pH	6.5-9.0pH	/

Heavy Metal Test Item

Test item	Range: mg/L	Min Lower Measuring
Total Copper	0.05-4	0.05
Total Iron	0.05-5	0.05
Total Zinc	0.05-2.5	0.05
Total Manganese	0.1-9	0.1
Total Nickel	0.05-5	0.05
Total Cadmium	0.005-0.6	0.005
Hexavalent Chromium	0.004-1	0.004
Total Chromium	0.01-1	0.01
Aniline	0.01-2	0.01
Fluoride	0.005-0.5	0.005
Volatile Phenol	0.02-2.5	0.02
Cyanide	0.005-0.5	0.005