

Which Lumiso instrument is right for me?

The Lumiso pooltest range includes four instruments, each designed to meet the needs of different testing environments and users.

Lumiso Pooltest 3



Lumiso Pooltest 3 is ideal for monitoring of outdoor pools, covering the three main tests chlorine, pH and cyanuric acid.

Lumiso Pooltest 4



Lumiso Pooltest 4 is ideal for testing spas and indoor pools, inclusive of tests for alkalinity, bromine, chlorine and pH.

Lumiso Pooltest 6



The Lumiso Pooltest 6 provides simple and effective pool testing for Service Engineers and Pool Managers. Inclusive of all the tests required for a water balance calculation: alkalinity, bromine, calcium hardness, chlorine, cyanuric acid and pH.

Lumiso Pooltest Expert



The Lumiso Pooltest Expert has been designed for a range of Pool and Spa customers from Pool Managers through to professional Engineers who need to test pool and spa water multiple times daily, quickly, and accurately across key and troubleshooting parameters.

Pool Photometer Comparison Table

Photometer	Lumiso Pooltest 3	Lumiso Pooltest 4	Lumiso Pooltest 6	Lumiso Pooltest Expert
PARAMETER				
Absorbance				•
Acid Demand				•
Alkalinity, Total		•	•	•
Aluminium				•
Ammonia (Tablet Indophenol)				•
Bromine, Free, Combined & Total		•	•	•
Bromine, Total		•	•	•
Bromine, Total (+ Cl ₂ , F, C & T)		•	•	•
Bromine, Total (Cl ₂ present)		•	•	•
Calcium Hardness				•
Calcium Hardness (Salt Pools)				•
Chlorine Dioxide				•
Chlorine HR				•
Chlorine, F, C & T (Liquid)	•	•	•	•
Chlorine, F, C & T (Tablet)	•	•	•	•
Chlorine, Free	•	•	•	•
Chlorine, Free & Total (XF, XT)	•	•	•	•
Chlorine, Free (XF)	•	•	•	•
Chlorine, Total	•	•	•	•
Copper, Free				•
Copper, Free and Total				•
Cyanuric Acid	•		•	•

Photometer	Lumiso Pooltest 3	Lumiso Pooltest 4	Lumiso Pooltest 6	Lumiso Pooltest Expert
PARAMETER				
Hardness, Total				•
Hydrogen Peroxide HR				•
Iron MR				•
Langelier Water Balance Index				•
Nitrate				•
Ozone				•
pH-Phenol Red	•	•	•	•
Salt				•
Sulfate				•
Transmittance				•
Zinc				•
Zinc (copper present)				•



Lumiso Pooltest Expert

Tests for:

Absorbance
Acid Demand
Alkalinity, Total
Aluminium
Ammonia (Tablet Indophenol)
Bromine, Total
Bromine, Total (Cl₂ present)
Calcium Hardness
Calcium Hardness (Salt Pools)
Chlorine and Chloramines
Chlorine Dioxide
Chlorine HR
Chlorine, Free
Chlorine, Free & Total (XF, XT)
Chlorine, Free (XF)
Chlorine, Total
Copper, Free
Copper, Free and Total
Cyanuric Acid
Hardness, Total
Hydrogen Peroxide HR
Iron MR
Langelier Water Balance Index
Manganese HR
Ozone
Ozone (Cl₂ or Br₂ present)
Phosphate LR
pH-Phenol Red
Salt
Sulfate
Transmittance



FEATURES INCLUDE:

Designed and manufactured in the UK

Recycled material case

IP67 Waterproofing

Multi parameter for troubleshooting

Quick and accurate testing

Large touch screen interface

Simple to follow on screen instructions

Data traceability for audit compliance

Easy results retrieval with Palintest Connect

Professional level results in-situ

Technical Specification

Instrument Type	Multiparameter Photometer
Wavelengths	530 nm, 575 nm, 620 nm
Peak Wavelengths	±2 nm
Accuracy	+/-1%T
Display	Full Colour TFT - 16:9 ratio screen, resolution 800 x 480 px
User Interface	PCAP touch panel
Size W x L x H (mm)	211 x 195 x 52
Weight (kg)	0.85
IP Rating & Standards	IP67
Power Supply	6 x AA 1.5V Batteries or Standalone USB
Connectivity	Via Windows App (USB) or Mobile App (QR Code)
Memory Capacity	Access to 1,000 results via device's screen
Battery Life	5,000 tests on one charge
Certifications	EN61326, EN61010, IP67 and EN60068-2-78

Kit Contents

Item	All kits
Lumiso Pooltest Expert Instrument	1
Dilution Tube	1
Syringe, Luer Slip, 10mL	1
Polishing Cloth	1
Test Tube Brush, 12cm	1
USB lead	1
Quick Start Guide	1
Absorbent Cloth	1
Crush/Stir Rod	10
Cap for 15mL Vial	10
15mL Snap Cap Vial	10
Lumiso Benchtop Case	1
Reusable Reagent Box	1



Reagents included in kit

	UK / Rest of World Kit Order code: LMPXUK	USA Kit Order code: LMPXUS	Australia Kit Order code: LMPXAUS
	DPD1 Free Chlorine Tablet 0-5 mg/L	DPD XF Chlorine Tablet 0 - 10 mg/L	DPD1 Free Chlorine Tablet 0-5 mg/L
	DPD3 Total Chlorine Tablet 0-5 mg/L	DPD XT Chlorine Tablet 0 - 10 mg/L	DPD3 Total Chlorine Tablet 0-5 mg/L
	DPD4 Total Chlorine Tablet 0-5 mg/L	Cyanuric Acid Tablet 0 - 200 mg/L	DPD4 Total Chlorine Tablet 0-5 mg/L
	Cyanuric Acid Tablet 0 - 200 mg/L	pH, Phenol Red Tablet 6.8 - 8.4	DPD XF Chlorine Tablet 0 - 10 mg/L
	pH, Phenol Red Tablet 6.8 - 8.4	Coppercol No 1 Tablet 0 -5 mg/L	DPD XT Chlorine Tablet 0 - 10 mg/L
	Coppercol No 1 Tablet 0 -5 mg/L	Coppercol No 2 Tablet 0 -5 mg/L	Cyanuric Acid Tablet 0 - 200 mg/L
	Coppercol No 2 Tablet 0 -5 mg/L	Alkalinity Total Tablet 0 - 500mg/L	pH, Phenol Red Tablet 6.8 - 8.4
	Alkalinity Total Tablet 0 - 500mg/L	Calcium Hardness Tablet 0 - 500mg/L	Coppercol No 1 Tablet 0 -5 mg/L
	Calcium Hardness Tablet 0 - 500mg/L	Iron MR No1 Tablet 0 -5 mg/L	Coppercol No 2 Tablet 0 -5 mg/L
	Iron MR No1 Tablets 0 -5 mg/L	Iron MR No2 Tablet 0 -5 mg/L	Alkalinity Total Tablet 0 - 500mg/L
	Iron MR No2 Tablets 0 -5 mg/L	Oxystop Tablet N/A	Calcium Hardness Tablet 0 - 500mg/L
		Phosphate LR, Phot, 0-4mg/L	Iron MR No1 Tablet 0 -5 mg/L
			Iron MR No2 Tablet 0 -5 mg/L

Photometer reagents

Photometer reagents

Name	Part code (AP) 250 Tablets	Part code (PM) 50 Tablets	Part Code AT (Liquid)	Range
Absorbance				0-2.3 Abs
Acid Demand	AP188	PM188		0-9 mmol/L
Alkalinity, Total	AP188	PM188		0-500 mg/L
Aluminium	AP166	PM166		0-0.5 mg/L
Ammonia (Tablet Indophenol)	AP152	PM152		0-1 mg/L
Bromine, Free, Combined & Total	AP060	PM060		0-10 mg/L
Bromine, Total	AP060	PM060		0-10 mg/L
Bromine, Total (+ Cl ₂ , F,C & T)	AP060	PM060		0-10 MG/L
Bromine, Total (Cl ₂ present)	AP060	PM060		0-10 mg/L
Calcium Hardness	AP252	PM252		0-500 mg/L
Calcium Hardness (Salt Pools)	AP252	PM252		0-500 mg/L
Chlorine Dioxide	AP052	PM052		0-10 mg/L
Chlorine HR	AP162	PM162		0-250 mg/L
Chlorine, F, C & T (Liquid)			AT015 / AT035	0-5 mg/L
Chlorine, F, C & T (Tablet)	AP031	PM031		0-5 mg/L
Chlorine, Free	AP011	PM011		0-5 mg/L
Chlorine, Free & Total (XF, XT)	AP033	PM033		0-10 mg/L

Name	Part code (AP) 50 Tablets	Part code (PM) 250 Tablets	Part Code AT (Liquid)	Range
Chlorine, Free (XF)	AP013	PM013		0-10 mg/L
Chlorine, Total	AP041	PM041		0-5 MG/L
Copper, Free	AP187			0-5 mg/L
Copper, Free and Total	AP186	PM186		0-5 mg/L
Cyanuric Acid	AP087	PM087		0-200 mg/L
Hardness, Total	AP254	PM254		0-500 mg/L
Hydrogen Peroxide HR	AP105	PM105		0-100 mg/L
Iron MR	AP292	PM292		0-5 mg/L
Langelier Water Balance Index	N/A	N/A		
Ozone	AP056	PM056		0-3 mg/L
pH-Phenol Red	AP130	PM130		6.8 - 8.4
Salt	AP268	PM268		0-10000 mg/L
Sulfate	AP154	PM154		0-200 mg/L
Transmittance				0-100 %T

Only Palintest reagents are compatible with Palintest photometers

