



www.palintest.com Pool & Spa

At Palintest we make water analysis technologies which help to safeguard water for everyone, every day.



At Palintest we deliver:



Swimmer safety

Safeguard pool users through effective disinfection and water balance control



Pool integrity

Regular pool testing helps maintain your pool and protects the pool infrastructure



Water balance

Maintain optimum water balance to avoid corrosion or scaling

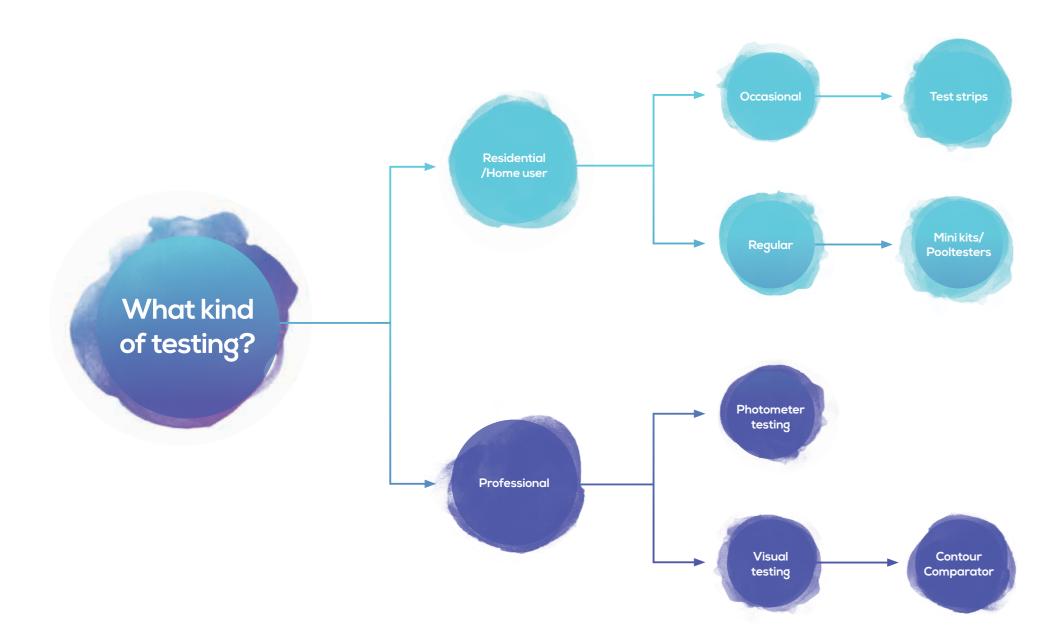


Cost efficiency

Optimise your pool treatment plan

Backed by over 100 years of research, our equipment has been designed to make testing simple and easy.

Our technology delivers reliable results, to drive confident water quality management, ensuring that we can all bathe and play safely.



Pool Photometer Comparison Table

Photometer	Pooltest 25	Pooltest 10	Pooltest 9	Lumiso Pooltest 6	Lumiso Pooltest 4	Lumiso Pooltest 3
PARAMETER						
Aluminium	•					
Ammonia	•					
Bromine	•	•	•	•	•	
Calcium Hardness	•	•	•	•		
Chloride	•					
Chlorine HR	•					
Combined Chlorine	•	•	•	•	•	•
Copper (free, combined & total)	•					
Cyanuric Acid	•	•	•	•		•
Dichloramine	•					
Free Chlorine (standard range)	•	•	•	•	•	•
Free Chlorine (extended range)	•	•	•	•	•	•
Hydrogen Peroxide HR	•					
Iron	•	•	•			
Langelier Saturation Index	•	•	•			
Manganese	•					
Monochloramine	•					
Nitrate						
Ozone	•	•	•			

Photometer	Pooltest 25	Pooltest 10	Pooltest 9	Lumiso Pooltest 6	Lumiso Pooltest 4	Lumiso Pooltest 3
PARAMETER						
Phosphate	•	•				
pH Phenol Red	•	•	•	•	•	•
Salt	•					
Sulfate	•					
Total Alkalinity	•	•	•	•	•	
Total Chlorine (standard range)	•	•	•	•	•	•
Total Chlorine (extended range)	•	•	•	•	•	•
Total Hardness	•					
Water Balance	•	•	•			

Pooltest 25

Manganese

Nitrate

Ozone

PHMB

Salt

Sulfate

Phosphate

pH Phenol Red

Total Alkalinity

Total Hardness

Monochloramine

Tests for:

Aluminium

Ammonia Bromine

Calcium Hardness

Chloride

Chlorine (free, combined & total)

Chlorine HR

Copper

Cyanuric Acid

Dichloramine

Hydrogen Peroxide HR

Iron

Calculations for:

Langelier Saturation Index

Palintest Water Balance



FE ATURES INCLUDE:

Complete range of pool parameters

Expert colorimetric analysis

Digital measurement for quick and accurate results

Simple and easy to use

Waterproof and portable

Suitable for poolside use

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations, absorbance and transmittance
Peak Wavelengths	450 nm, 500 nm, 550 nm, 570 nm, 600 nm, 650 nm
Accuracy	± 1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment for all light conditions
User Interface	On-screen prompts available in English, French, Spanish, German, Italian, Turkish and Mandarin
Size (W x L x H) and Weight	150 mm x 250 mm x 70 mm, 975 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries (typically 40 hours), mains power delivered via USB port
Connectivity	USB for data download, software update
Memory Capacity	Up to 1000 data sets. Each data set includes date, time, Sample ID, Operator ID, method number, method name, result, units



Kit Contents



	SPH7025E Pooltest 25 Standard Kit	SPR7025E Pooltest 25 Benchtop Kit
Pooltest 25	•	•
Cuvettes	8	10
Cuvette Rack		•
Lint Free Cloth	•	•
10mL Syringe	•	•
Dilution Tube	•	
Test Tube Brush	•	•
Crush/Stir Rods x 10	•	•
USB Lead	•	•
Waterproof USB Lead		
USB Power Adaptor		•
De-ion pack		
TDS Pocket Sensor		
TDS Calibration Standard		
Initial Reagent Pack		
Check Standard Set		
Hard Carry Case	•	
Transport Carton		•
IP67 Carry Case		

Reagents included in kit

Type of Reagents	Tests
DPD 1 Free Chlorine	80 tests
DPD 3 Total Chlorine	80 tests
DPD 4 Total Chlorine	20 tests
Cyanuric Acid	60 tests
Phenol Red	80 tests
Coppercol (No1)	20 tests
Coppercol (No2)	20 tests
Alkalinity	60 tests
Iron	10 tests
Calcium Hardness	40 tests

For the full list of reagents see page 22

Pooltest 10

Tests for:

Bromine

Calcium Hardness

Chlorine (free, combined & total)

Copper

Cyanuric Acid

Iron

Ozone

pH Phenol Red

Phosphate

Total Alkalinity

Calculations for:

Langelier Saturation Index

Palintest Water Balance



FEATURES INCLUDE:

Store 100 user IDs and 500 datasets

Includes all major pool parameters

Expert colorimetric analysis

Digital measurement for quick and accurate results

Simple and easy to use

Waterproof and portable

Suitable for poolside use

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations and transmittance.
Peak Wavelengths	450 nm, 550 nm, 570 nm, 600 nm
Accuracy	± 1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment for all light conditions
User Interface	On-screen prompts available in English, French, Spanish, German, Italian, Turkish and Mandarin
Size (W x L x H) and Weight	150 mm x 250 mm x 70 mm, 975 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries (typically 40 hours), mains power delivered via USB port
Connectivity	USB for data download, software update
Memory Capacity	Up to 500 data sets. Each data set includes date, time, Sample ID, Operator ID, method number, method name, result, units

Kit Contents

	SPH7010E Pooltest 10 Standard Kit
Pooltest 10	•
Test tube brush	8
Lint Free Cloth	•
10 mL Syringe	•
Dilution Tube	•
Test Tube Brush	•
Crush/Stir Rods x 10	•
USB Lead	•
Initial Reagent Pack	•
Hard Carry Case	•



Reagents included in kit

Type of Reagents	Tests
DPD 1 Free Chlorine	80 tests
DPD 3 Total Chlorine	80 tests
DPD 4 Total Chlorine	10 tests
Cyanuric Acid	60 tests
Phenol Red	80 tests
Coppercol (No1)	20 tests
Coppercol (No2)	20 tests
Alkalinity	60 tests
Iron	10 tests
Calcium Hardness	40 tests
Phosphate	20 tests

For the full list of reagents see page 22



Pooltest 9

Tests for:

Bromine

Calcium Hardness

Chlorine (free, combined & total)

Copper

Cyanuric Acid

Iron

Ozone

pH Phenol Red

Total Alkalinity

Calculations for:

Langelier Saturation Index
Palintest Water Balance



FEATURES INCLUDE:

Includes all major pool parameters

Expert colorimetric analysis

Digital measurement for quick and accurate results

Simple and easy to use

Waterproof and portable

Suitable for poolside use

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations and transmittance.
Peak Wavelengths	550 nm, 570 nm, 600 nm
Accuracy	± 1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment for all light conditions
User Interface	On-screen prompts available in English, French, Spanish, German, Italian, Turkish and Mandarin (Chinese)
Size (W x L x H) and Weight	150 mm x 250 mm x 70 mm, 975 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries (typically 40 hours), mains power delivered via USB port
Connectivity	USB for data download, software update
Memory Capacity	Up to 100 data sets. Each data set includes date, time, Sample ID, Operator ID, method number, method name, result, units



Kit Contents



SPR7009E Pooltest 9 SPH7009E Pooltest 9 Standard Kit Benchtop Kit Pooltest 9 Test tubes 10 Test tube rack Lint free cloth 10 mL syringe Dilution tube Test tube brush Crush/stir rods x 10 USB lead USB power adaptor Initial reagent pack Hard Carry Case Transport Carton

Reagents included in kit

Type of Reagents	Tests
DPD 1 Free Chlorine	80 tests
DPD 3 Total Chlorine	80 tests
DPD 4 Total Chlorine	10 tests
Cyanuric Acid	60 tests
Phenol Red	80 tests
Coppercol (No1)	20 tests
Coppercol (No2)	20 tests
Alkalinity	60 tests
Iron	10 tests
Calcium Hardness	40 tests

For the full list of reagents see page 22



Lumiso Photometers

Lightweight and handheld, our new Lumiso pool photometers are designed for complete portability to perform reliable testing, anywhere.

Why choose Lumiso?

Lumiso uses the most advanced
photometric technology to deliver quick
and accurate results

Simplifies pool and spa testing, using a language-free visual interface

Logs test results with date and time for compliance and auditing

USB connectivity enables data management

Lightweight kit inclusive of all required accessories



This new kit includes a waterproof reagent box which can be refilled with any new reagents.

The waterproof design protects from any water damage and minimises the overall amount of packaging used in our kits.









Lumiso Pooltest 6

Tests for:

Bromine

Calcium Hardness

Chlorine (free, combined & total)

Cyanuric Acid

pH Phenol Red

Total Alkalinity



FEATURES INCLUDE:

Ideal for service engineers and pool managers

Enables a complete water balance calculation

Expert colorimetric analysis

Logs test results with date and time

USB connectivity enables data management

On-board memory for up to 50 data sets

Lightweight kit design

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530 nm, 575 nm
Accuracy	± 1.0% T
Display	226 x 138 pixel LCD with backlight
User Interface	Language-free, on screen visual icons
Size (W x L x H) and Weight	163 mm x 70 mm x 45 mm, 275 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries
Connectivity	USB for data download and software updates
Memory Capacity	Up to 50 data sets

Kit Contents

	Lumiso Pooltest 6 LMP006
Lumiso Pooltest 6 instrument	•
Instructions	•
Test tubes	5
Test tube brush	•
Lint free cloth	•
10 mL syringe	•
Dilution tube	•
Crush/stir rods	4
USB lead	•
Initial reagent pack	•
Hard carry case	•

Reagents included in kit

Type of reagent	Tests
Free Chlorine DPD 1	50
Total Chlorine DPD 3	50
DPD XF	30
DPD XT	30
pH Phenol Red	50
Cyanuric Acid	10
Alkalinity	10
Calcium Hardness	10

For the full list of reagents see page 22



Lumiso Pooltest 4

Tests for:

Bromine

Chlorine (free, combined & total)

pH Phenol Red

Total Alkalinity



FEATURES INCLUDE:

Ideal for testing spas and indoor pools

Logs test results with date and time

USB connectivity enables data management

On-board memory for up to 50 data sets

Lightweight kit design

Easy to operate

Quick to deliver results

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530 nm, 575 nm
Accuracy	± 1.0% T
Display	226 x 138 pixel LCD with backlight
User Interface	Language-fre, on-screen visual icons
Size (W x L x H) and Weight	163 mm x 70 mm x 45 mm, 275 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries
Connectivity	USB for data download and software updates
Memory Capacity	Up to 50 data sets

Kit Contents

	Lumiso Pooltest 4 LMP004
Lumiso Pooltest 4 instrument	•
Instructions	•
Test tubes	5
Test tube brush	•
Lint free cloth	•
10 mL syringe	•
Dilution tube	•
Crush/stir rods	4
USB lead	•
Initial reagent pack	•
Hard carry case	•

Reagents included in kit

Type of reagent	Tests
Free chlorine DPD 1	50
Total chlorine DPD 3	50
DPD XF	30
DPD XT	30
Phenol Red	50
Alkalinity	10

For the full list of reagents see page 22

Combine with a
TDS meter for
complete compliance to
HGS:282 UK Spa
regulations

Lumiso Pooltest 3

Tests for:

Chlorine (free, combined & total)

Cyanuric Acid

pH Phenol Red



FEATURES INCLUDE:

Ideal for monitoring of outdoor pools

Logs test results with date and time

USB connectivity enables further data management

On-board memory for up to 50 data sets

Lightweight kit design

Easy to operate

Quick to deliver results

Technical Specification

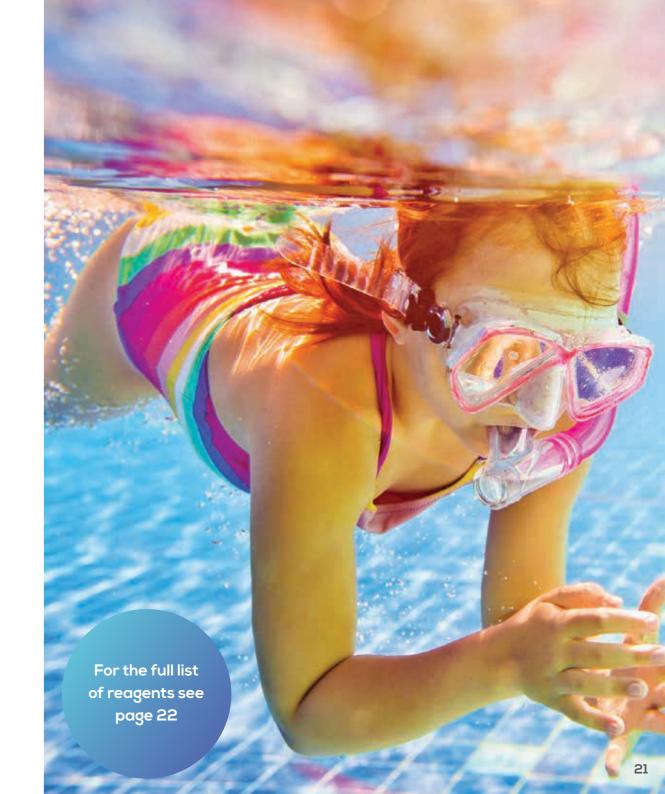
Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530 nm, 575 nm
Accuracy	± 1.0% T
Display	226 x 138 pixel LCD with backlight
User Interface	Language-free interface, on screen visual icons
Size (W x L x H) and Weight	163 mm x 70 mm x 45 mm, 275 g
IP Rating	IP67
Power Supply	3 x 1.5 V AA batteries
Connectivity	USB for data download and software updates
Memory Capacity	Up to 50 data sets

Kit Contents

	Lumiso Pooltest 3 LMP003
Lumiso Pooltest 3 instrument	•
Instructions	•
Test tubes	5
Test tube brush	•
Lint free cloth	•
10 mL syringe	•
Dilution tube	
Crush/stir rods	4
USB lead	
Initial reagent pack	
Hard carry case	

Reagents included in kit

Type of Reagents	Tests
Free Chlorine DPD 1	50
Total Chlorine DPD 3	50
DPD XF	30
DPD XT	30
Phenol Red	50
Cyanuric Acid	10



Photometer reagents

Photometer reagents

Name	Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Total Alkalinity (Alkaphot)	0-500 mg/L CaCO ₃	PM188	AP188
Aluminium	0-0.5 mg/L AI	PM166	AP166
Ammonia	0-1.0 mg/L N	PM152	AP152
Bromine	0-10 mg/L Br ₂	PM060	AP060
Calcium Hardness (Calcicol)	0-500 mg/L CaCO ₃	PM252	AP252
Chloride/Salt (Chloridol)	0-50,000 mg/L NaCl	PM268	AP268
Chlorine - Free (DPD 1)	0-5 mg/L Cl ₂	PM011	AP011
Chlorine – Free, extended range (DPD XF)	0-10 mg/L Cl ₂	PM013	AP013
Chlorine – Free, combined and total (DPD 1 and DPD 3)	0-5 mg/L Cl ₂	PM031	AP031
Chlorine – Free, combined and total, extended range (DPD XF and DPD XT)	0-10 mg/L CI ₂	PM033	AP033
Chlorine - Total (DPD 4)	0-5 mg/L Cl ₂	PM041	AP041
Chlorine - Total (DPD 3 only)	$0-5\mathrm{mg/L}\mathrm{Cl_2}$	-	AP031/1
Chlorine – Total, extended range (DPD XT only)	0-10 mg/L Cl ₂	-	AP033/1
Chlorine HR	0-250 mg/L Cl ₂	PM162	AP162
Copper (Coppercol)	0-5 mg/L Cu	PM186	AP186
Copper - Free	0-5 mg/L Cu	-	AP187
Cyanuric Acid	0-200 mg/L CYA*	PM087	AP087
Hardness - Total (Hardicol)	0-500 mg/L CaCO ₃	PM254	AP254
Hydrogen Peroxide HR	0-100 mg/L H ₂ O ₂	PM105	AP105
Iron LR	0-1 mg/L Fe	PM155	AP155

Name	Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Manganese HR	0-5 mg/L Mn	PM174	AP174
Nitrate (Nitratest)	0-20 mg/L N	PM163	AP163 (200 tests)
Ozone (DPD method)	0-2 mg/L O ₃	PM056	AP056
pH Phenol Red	6.5-8.5**	PM130	AP130
Phosphate LR	0-4 mg/L PO ₄	PM177	AP177 (200 tests)
Sulfate	0-200 mg/L SO ₄	PM154	AP154

^{*} Cyanuric Acid - 0 - 150 mg/L for Lumiso Pooltest 3, Lumiso Pooltest 4 and Lumiso Pooltest 6

^{**}pH 6.5 – 8.4 for Lumiso Pooltest 3, Lumiso Pooltest 4 and Lumiso Pooltest 6



Only Palintest reagents are compatible with Palintest photometers

Photometer check standards, accessories and support



CHECK STANDARDS:

Validate the performance of your instrument with Palintest check standards

Quick and easy method

Traceable to national standards

Supplied with a certificate

Pooltest Photometer Check Standards

Pooltest 10 and 25 check standards

PT804

Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

Pooltest 9 check standards

T791

Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

Lumiso Pooltest 3, 4 and 6 check standards

LMC001

Neautral Density Filter (NDF) check standard set, supplied in a protective case. Includes two standards and blank.

Technical Support

At Palintest we pride ourselves on the technical support that we provide to our customers.

We have used our expertise built up over 100 years to develop an extensive library of information which helps to support your needs.

For more information visit our website or contact our team on sales@palintest.com

Accessories

Description	Code
Pack of 5 glass test tubes for Pooltest 9, 10 and 25	PT595/5
Pack of 5 plastic test tubes for Pooltest 9, 10 and 25	PT524/5
Rack for 8 x PT595 test tubes	PT501
Pack of 5 glass test tubes for Lumiso Pooltest 3, 4 and 6	PT555
Rack for 8 x Lumiso test tubes	PT545
Pack of 10 crush / stirring rods	PT502
Syringe 10 mL	PT369
Sample tube brush, length 120 mm	PT663
Sample container 100/50/10 mL plastic tube	PT510
Palintest dilution tube, x2, x3, x4, x5, x10, plastic	PT512
Wash bottle, 250 mL	PT516
Wash bottle (for deionised water)	PT518
Sample container50/10 mL plastic bottle	PT519
Sample container 20/10 mL plastic tube	PT526

Servicing

Ensure your photometer remains in top condition with an instrument service. To get the best out of your photometer, Palintest advise an annual service.

What's included in a Palintest service?

- Thorough evaluation and inspection of your instrument
- Comprehensive clean of the test chamber and optical bench
- Recalibration of your instrument
- Update of the latest software to optimise the performance of your instrument

Contact sales@palintest.com for further information on servicing.

Product registration and warranty

Each of our photometers come with a two year warranty.

To receive updates about your instrument, register the meter online at www.palintest.com/en/product-registration

Contour Comparator Kits

Single and dual parameter kits for cost effective pool, spa and hot tub testing



Single Parameter Contour Comparator Kits

Kits includes: Contour Comparator, Contour disk with instructions, 3 cuvettes, cuvette brush, crush/ stir rod, reagents for 30 tests, supplied in a hard case

Product	Code
Comparator Kit, Free and Total Chlorine, 0-5 mg/L	CKH1001
Comparator Kit, Free and Total Chlorine, 0-2 mg/L	CKH1002
Comparator Kit, Free and Total Chlorine, 0-1 mg/L $$	CKH1003
Comparator Kit, Bromine, 0-8 mg/L	CKH1005
Comparator Kit, Alkalinity, 0-250 mg/L	CKH1192
Comparator Kit, Chlorine HR, 0-250 mg/L	CKH162/250
Comparator Kit, Hydrogen Peroxide, 0-100 mg/L	CKH1105
Comparator Kit, Ozone, 0-1 mg/L	CKH1056
Comparator Kit, Phosphate, 0-4 mg/L	CKH1177
Comparator Kit, pH Phenol Red, pH 6.8-8.4	CKH1131

FEATURES INCLUDE:

Single and dual parameter test kits

Unique petal disks for easy colour differentiation

Tablet methods for visual colour development

Dual Parameter Contour Comparator Kits

Kits includes: Contour Comparator, 2 Contour disks with instructions, 3 cuvettes, cuvette brush, crush/stir rod, reagents for 30 tests for each parameter, supplied in a hard case.

Product	Code
Free and Total Chlorine/ Phenol Red 0-5 mg/L Cl ₂ / pH 6.8-8.4	CKH2001
Free and Total Chlorine/ Phenol Red 0-2 mg/L Cl ₂ / pH 6.8-8.4	CKH2002
Free and Total Chlorine/ Phenol Red 0-1 mg/L Cl ₂ / pH 6.8-8.4	CKH2003
Bromine/ Phenol Red 0-8 mg/L Br ₂ / pH 6.8-8.4	CKH2005



Balanced Water Kits

Simple visual kits to maintain the water balance of your pool or spa and minimise running costs



FEATURES INCLUDE:

Portable water balance testing

Assess likelihood of scaling or corrosion

Tablet method for visual colour development

Kit contents

	SKH129	SKH129C
Standard Comparator		
Contour Comparator	•	•
Chlorine 0-5 mg/L disc	•	•
Bromine 0-8mg/L disc		
pH Phenol Red disc	•	•
4 Comparator Cuvettes	•	•
Cuvette Brush	•	•
Crush/Stir Rod	•	•
Dilution Tube	•	•
Sample Container (100 mL)		
Double Tube Assembly		•
Cyanuric Acid Reagents		•
Reagents Free and Total Chlorine/Bromine	•	•
Reagents pH Phenol Red	•	•
Tablet count reagents Alkalinity	•	•
Tablet count reagents Calcium Hardness	•	•
Instructions	•	•

Comparator Kit Reagents



Only Palintest comparator reagents are compatible with Palintest comparators

Comparator Kit Reagents

Name	Range	Replacement Pack (250 tests)
Calcium Hardness (Tablet count)	0-500 mg/L CaCO ₃	AS077
Total Alkalinity (Tablet Count)	0-1200 mg/L CaCO ₂	AS072



Pooltester Kits

Ideal for the residential user, the Pooltester range from Palintest provides simple and cost effective pool and hot tub testing



FEATURES INCLUDE:

Available in a range of key parameters

Quick colour development

Cost effective testing solution

Pooltesters

Product	Code
Chlorine/pH Pooltest Minikit	SP600
Chlorine/pH Pooltester	SP610
Chlorine (0-5 mg/L)/pH/Alkalinity Pooltester	SP612
Chlorine (0-3 mg/L)/pH/Alkalinity Pooltester	SP614
Bromine/pH/Alk Pooltester	SP616
Cyanuric Acid Pooltester	SP620
Salt test Kit Pooltester	SP622



Rapid Reagents for Pooltesters

Palintest Rapid tablets are designed to deliver the active reagent quickly without the need for crushing or handling



Replacement Rapid Reagents

Name	50 tests	100 tests	250 tests
Alkalinity (Alkavis)	AL192B		AK192
Cyanuric Acid	AL087B		AT087
pH (Phenol Red)	AL131B	AL131/100B	AT130
Chlorine / Bromine (DPD 1)	AL010B	AL010/100B	AT010
DPD 3			AT030
DPD 4			AT040

Pooltester Refill Packs

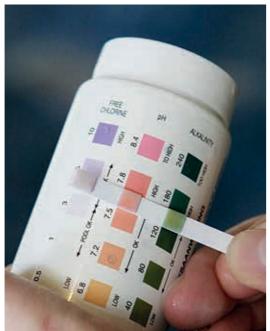
Name	Range
30 tests each of Free Chlorine and pH	AL003B
30 tests each of Free Chlorine, pH and Alkalinity	AL004B
20 tests each of Peroxtest and pH	AL623B

Only Palintest rapids are compatible with Palintest pooltesters

Pool Test Strips

Available in 3-way and 6-way formats to support all residential pool and hot tub users, Palintest test strips are the simplest method for testing your water





FEATURES INCLUDE:

Available in 3 in 1 and 6 in 1

No additional reagents required

No additional equipment required

Quick and easy method

Description	Code
Free Chlorine, pH and Alkalinity Pack of 50	PTJ634
Free Chlorine, Total Chlorine/Bromine, pH, Cyanuric Acid, Hardness and Alkalinity Pack of 50	PTJ637







Palintest Ltd

Palintest House

Kingsway

Team Valley

Gateshead

Tyne & Wear

NEII ONS

England

Tel: +44 (0) 191 491 0808 sales@palintest.com

Palintest Australia Pacific

1/53 Lorraine Street

Peakhurst Business Centre

Peakhurst

NSW 2210

Australia

Tel: +61 1300 131516

palintest@palintest.com.au

Palintest USA

400 Corporate Circle

Suite J

Golden CO

80401

USA

+1 720 221 6878

info@palintestusa.com

Palintest China

Room 1711

Fanli Mansion

22 Chaowai Street

Chaoyang District

Beijing

100020

PRC

Tel: +86 10 6588 6200

china@palintest.com

www.palintest.com



