Palintest pool & spa

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Made in the UK

www.palintest.com

Palintest pool & spa

Pool & Spa Products

At Palintest we make water analysis technologies which help to safeguard consumers around the world everyday.

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
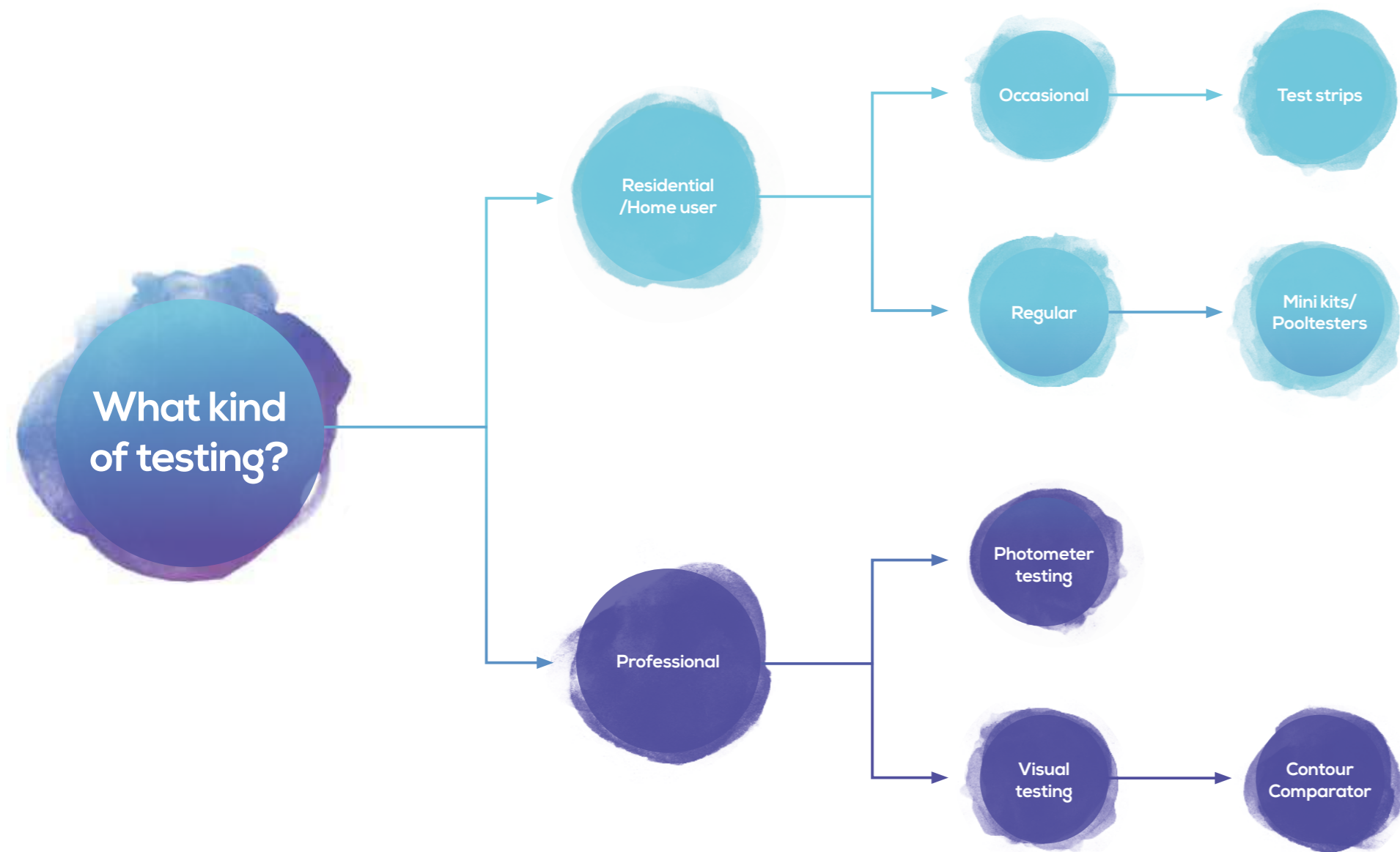Maintain optimum water balance to avoid corrosion or scaling

Cost efficiency
Optimise your pool treatment plan

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

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

What kind of testing?

- **Residential/Home user**
  - **Occasional** → Test strips
  - **Regular** → Mini kits/Pooltesters
- **Professional**
  - Photometer testing
  - Visual testing → Contour Comparator

Pool Photometer Comparison Table

Photometer / PARAMETER	Pooltest 25	Pooltest 9	Pooltest 6	Pooltest 3
Aluminium	•			
Ammonia	•			
Bromine	•	•	•	
Calcium Hardness	•	•	•	
Chloride	•			
Chlorine HR	•			
Combined Chlorine	•	•	•	•
Copper (free, combined and total)	•	•		
Cyanuric Acid	•	•	•	•
Dichloramine	•			
Free Chlorine (standard range)	•	•	•	•
Free Chlorine (extended range)	•	•	•	•
Hydrogen Peroxide HR	•			
Iron	•	•		
Langelier Saturation Index	•	•		

Photometer / PARAMETER	Pooltest 25	Pooltest 9	Pooltest 6	Pooltest 3
Manganese	•			
Monochloramine	•			
Nitrate	•			
Ozone	•	•		
PHMB	•			
Phosphate	•			
pH Phenol Red	•	•	•	•
Salt	•			
Sulphate	•			
Total Alkalinity	•	•	•	
Total Chlorine (standard range)	•	•	•	•
Total Chlorine (extended range)	•	•	•	•
Total Hardness	•			
Water Balance	•	•		

Pooltest 25

Tests for:

Aluminium

Ammonia

Bromine

Calcium Hardness

Chloride

Chlorine HR

Combined Chlorine

Copper (free, combined & total)

Cyanuric Acid

Dichloramine

Free Chlorine

Hydrogen Peroxide HR

Iron

Langelier Saturation Index

Manganese

Monochloramine

Nitrate

Ozone

PHMB

Phosphate

pH Phenol Red

Salt

Sulphate

Total Alkalinity

Total Chlorine

Total Hardness

Water Balance

FEATURES 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	450nm, 500nm, 550nm, 570nm, 600nm, 650nm
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 x 250 x 70mm, 975g
IP Rating	IP67
Power Supply	3 x 1.5v 'AA' batteries (typically 40 hours), mains power delivered via USB port
Connectivity	USB for data download, software upload
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	SPW7025E Pooltest 25 Engineers Kit
Pooltest 25	•	•	•
Cuvettes	8	10	8
Cuvette rack		•	•
Lint free cloth	•	•	•
10ml syringe	•	•	•
Dilution Tube	•	2	
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
DPD1 free chlorine	80 tests
DPD3 total chlorine	80 tests
DPD4 total chlorine	20 tests
Cyanuric acid	60 tests
Phenol red	80 tests
Coppercol no 1	20 tests
Coppercol no 2	20 tests
Alkalinity	60 tests
Iron	10 tests
Calcium hardness	40 tests

Pooltest 9

Tests for:

- Bromine
- Calcium Hardness
- Combined Chlorine
- Copper (free, combined & total)
- Cyanuric Acid
- Free Chlorine
- Iron
- Langelier Saturation Index
- Ozone
- pH Phenol Red
- Total Alkalinity
- Total Chlorine
- 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	550nm, 570nm, 600nm
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 x 250 x 70mm, 975g
IP Rating	IP67
Power Supply	3 x 1.5v 'AA' batteries (typically 40 hours), mains power delivered via USB port
Connectivity	USB for data download, software upload
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

	SPH7009E Pooltest 9 Standard Kit	SPR7009E Pooltest 9 Benchtop Kit
Pooltest 9	•	•
Cuvettes	8	10
Cuvette rack		•
Lint free cloth	•	•
10ml 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
DPD1 free chlorine	80 tests
DPD3 total chlorine	80 tests
DPD4 total chlorine	10 tests
Cyanuric acid	60 tests
Phenol red	80 tests
Coppercol no 1	20 tests
Coppercol no 2	20 tests
Alkalinity	60 tests
Iron	10 tests
Calcium hardness	40 tests

For the full list of reagents see page 16

Pooltest 6

Tests for:

Bromine

Calcium Hardness

Combined Chlorine

Cyanuric Acid

Free Chlorine

pH Phenol Red

Total Alkalinity

Total Chlorine

FEATURES INCLUDE:

Expert colorimetric analysis

Digital measurement for quick and accurate results

Simple and easy to use

Waterproof and portable

Suitable for poolside use

On-board memory for 10 results

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530nm, 570nm
Accuracy	± 1.0% T
Display	128 x 64 pixel LC D with backlight
User Interface	Language–free interface with four function keys
Size (W x L x H) and Weight	150 x 65 x 42mm, 200g
IP Rating	IP67
Power Supply	2 x 1.5v 'AA' batteries
Memory Capacity	Last 10 results. Blank value held in memory until power off or new blank recorded

Kit Contents

	Pooltest 6 soft case SPS 006D	Extended range Pooltest 6 soft case SPS 006X	Pooltest 6 hard case SPH 006D	Extended range Pooltest 6 hard case SPH 006X
Pooltest 6 instrument	•	•	•	•
Instructions	•	•	•	•
Crush/stir rods	4	4	6	6
Cuvette brush	•	•	•	•
Cuvettes	2	2	4	4
Soft carry case	•	•		
Hard carry case			•	•
Reagents included in kit				
DPD 1 (0–5ppm)	40		100	
DPD 3 (0–5ppm)	40		100	
DPD XF (0–10ppm)		40		100
DPD XT (0–10ppm)		40		100
pH Phenol Red	40	40	100	100
Cyanuric acid	20	20	100	100
Alkalinity	20	20	100	100
Calcium Hardness (No1 and No2)	20 of each	20 of each	50 of each	50 of each

Pooltest 3

Tests for:

Combined Chlorine

Cyanuric Acid

Free Chlorine

pH Phenol Red

Total Chlorine

Technical Specification

Instrument Type	Dual light source colorimeter offering direct-reading of pre-programmed test calibrations
Peak Wavelengths	530nm, 570nm
Accuracy	± 1.0% T
Display	128 x 64 pixel LC D with backlight
User Interface	Language–free interface with four function keys
Size (W x L x H) and Weight	150 x 65 x 42mm, 200g
IP Rating	IP67
Power Supply	2 x 1.5v 'AA' batteries
Memory Capacity	Last 10 results. Blank value held in memory until power off or new blank recorded

Kit Contents

	Pooltest 3 soft case SPS 003D	Extended range Pooltest 3 soft case SPS 003X	Pooltest 3 hard case SPH 003D	Extended range Pooltest 3 hard case SPH 003X
Pooltest 6 instrument	•	•	•	•
Instructions	•	•	•	•
Crush/stir rods	•	•	•	•
Cuvette brush	•	•	•	•
Cuvettes	2	2	4	4
Soft carry case	•	•		
Hard carry case			•	•
Reagents included in kit				
DPD 1 (0-5ppm)	30		100	
DPD 3 (0-5ppm)	30		100	
DPD XF (0-10ppm)		30		100
DPD XT (0-10ppm)		30		100
pH Phenol Red	20	20	100	100
Cyanuric acid	20	20	100	100

Photometer reagents

Photometer reagents

Name	Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Total Alkalinity (Alkaphot)	0 – 500 mg/l $CaCO_3$	PM 188	AP 188
Aluminium	0 – 0.5 mg/l Al	PM 166	AP 166
Ammonia	0 – 1.0 mg/l N	PM 152	AP 152
Bromine	0 – 10 mg/l Br_2	PM 060	AP 060
Calcium Hardness (Calcicol)	0 – 500 mg/l $CaCO_3$	PM 252	AP 252
Chloride/Salt (Chloridol)	0 – 50,000 mg/l NaCl	PM 268	AP 268
Chlorine – Free (DPD 1)	0 – 5 mg/l Cl_2	PM 011	AP 011
Chlorine – Free, extended range (DPD XF)	0 – 10 mg/l Cl_2	PM 013	AP 013
Chlorine – Free, Combined and Total (DPD 1 and DPD 3)	0 – 5 mg/l Cl_2	PM 031	AP 031
Chlorine – Free, Combined and Total, extended range (DPD XF and DPD XT)	0 – 10 mg/l Cl_2	PM 033	AP 033
Chlorine – Total (DPD 4)	0 – 5 mg/l Cl_2	PM 041	AP 041
Chlorine – Total (DPD 3 only)	0 – 5 mg/l Cl_2	-	AP 031/1
Chlorine – Total, extended range (DPD XT only)	0 – 10 mg/l Cl_2	–	AP 033/1
Chlorine HR	0 – 250 mg/l Cl_2	PM 162	AP 162
Copper – Free, Combined and Total (Coppercol)	0 – 5 mg/l Cu	PM 186	AP 186
Copper - Free	0 – 5 mg/l Cu	-	AP 187
Cyanuric Acid	0 – 200 mg/l CNA	PM 087	AP 087
Hardness – Total (Hardicol)	0 – 500 mg/l $CaCO^3$	PM 254	AP 254
Hydrogen Peroxide HR	0 – 100 mg/l H_2O_2	PM 105	AP 105

Name	Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Iron LR	0 – 1 mg/l Fe	PM 155	AP 155
Manganese HR	0 – 5 mg/l Mn	PM 174	AP 174
Nitrate (Nitratest)	0 – 20 mg/l N	PM 163	AP 163
Ozone (DPD method)	0 – 2 mg/l O_3	PM 056	AP 056
pH Phenol Red	6.5 - 8.5*	PM 130	AP 130
PHMB	0 – 100 mg/l active biocide	PM 272	AP 272
Phosphate LR	0 – 4 mg/l PO_4	PM 177	AP 177 (200 tests)
Sulphate	0 – 200 mg/l SO_4	PM 154	AP 154

*pH 6.5 – 8.4 for Pooltest 3 and Pooltest 6

Only Palintest reagents are compatible with Palintest photometers

Photometer check standards, accessories and support

Palintest check standards validate the performance of your instrument and ensure that it is operating at peak performance. Traceable to National Physical Laboratory (NPL) standards.

Pooltest Photometer Check Standards:

- Validate your photometer's performance and guarantee the quality of your results
- Traceable to National Physical Laboratory (NPL) standards for a full audit trail
- Specific sets and tolerances for individual photometer models including unique Neutral Density Filter (NDF) format

Ordering Info

Pooltest 25 check standards	
PT804	Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

Pooltest 9 check standards	
PT791	Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

Pooltest 3 and 6 check standards	
SPC006	Check Standard Set, supplied in protective case in sealed vials. Includes three standards and blank.

Accessories

Description	Code
Pack of 5 glass cuvettes for Pooltest 9 and 25	PT 595/5
Pack of 5 plastic cuvettes for Pooltest 9 and 25	PT 524/5
Rack for 8 x PT595 cuvettes	PT 501
Pack of 5 glass cuvettes for Compact Pooltest 3 and 6	PT 555
Rack for 8 x Compact cuvettes	PT 545
Pack of 10 crush / stirring rods	PT 502
Cuvette brush, length 120mm	PT 663
Sample container, 100 / 50 / 10 ml plastic tube	PT 510
Palintest dilution tube, x2, x3, x4, x5, x10, plastic	PT 512
Wash bottle, 250ml	PT 516
Wash bottle (for deionised water)	PT 518
Sample container, 50/10 ml plastic bottle	PT 519
Sample container, 20/10 ml plastic tube	PT 526
De-ion pack (makes approx. 5 litres deionised water)	PT 500

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.

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

Product registration and warranty

Each of our photometers come with a two year warranty. Register your instrument online at www.palintest.com/en/product-registration to receive any updates about your instrument.

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	CKH 1001
Comparator Kit, Free and Total Chlorine, 0-2 mg/L	CKH 1002
Comparator Kit, Free and Total Chlorine, 0-1 mg/L	CKH 1003
Comparator Kit, Bromine, 0-8 mg/L	CKH 1005
Comparator Kit, Alkalinity, 0-250 mg/L	CKH 1192
Comparator Kit, Chlorine HR, 0-250 mg/L	CKH 162/250
Comparator Kit, Hydrogen Peroxide, 0-100 mg/L	CKH 1105
Comparator Kit, Ozone, 0-1 mg/L	CKH 1056
Comparator Kit, Phosphate, 0-4 mg/L	CKH 1177
Comparator Kit, pH Phenol Red, pH 6.8-8.4	CKH 1131

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 + Total Chlorine/ Phenol Red 0-5 mg/l Cl2/ pH 6.8- 8.4	CKH 2001
Free + Total Chlorine/ Phenol Red 0-2 mg/l Cl2/ pH 6.8- 8.4	CKH 2002
Free + Total Chlorine/ Phenol Red 0-1 mg/l Cl2/ pH 6.8- 8.4	CKH 2003
Bromine/ Phenol Red 0-8 mg/l Br2/ pH 6.8- 8.4	CKH 2005

Balanced Water Kits

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

Kit contents

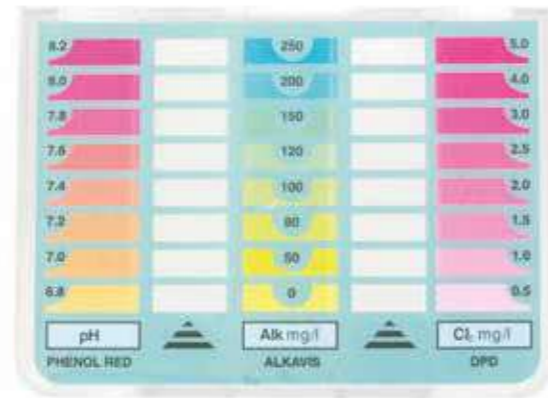|	SP 129	SP 129C	SP 130	SKH 129	SKH 129C
Standard Comparator	•	•	•		
Contour Comparator				•	•
Chlorine 0-5 mg/l disc	•	•		•	•
Bromine 0-8mg/l disc			•		
pH Phenol Red disc	•	•	•	•	
4 comparator cuvettes	•	•	•	•	•
Cuvette Brush	•	•	•	•	•
Crush/stirring rod	•	•	•	•	•
Dilution Tube				•	•
Sample Container (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

Pool Comparator Kit Reagents

Name	Range	Replacement Pack (250 tests)
Alkalinity (Alkavis)	0 – 250 mg/l $CaCO_3$	AK 192
Bromine	0 – 8 mg/l Br_2	AK 060
Chlorine - Free (DPD 1)	0 – 5 mg/l Cl_2	AK 011
Chlorine – Free, Combined and Total (DPD 1 and DPD 3)	0 – 5 mg/l Cl_2	AK 031
Chlorine – Total (DPD 3, requires DPD 1)	0 – 5 mg/l Cl_2	AK 031/1
Chlorine – Total (DPD 4)	0 – 5 mg/l Cl_2	AK 041
Monochloramine (DPD 2, requires DPD 1)	0 – 5 mg/l Cl_2	AK 021
pH Phenol Red	pH 6.8 – 8.4	AK 131
Total Alkalinity (Tablet Count)	0 - 1200 mg/l $CaCO_3$	AS 072
Calcium Hardness (Tablet Count)	0 - 500 mg/l $CaCO_3$	AS 077

Pooltester Kits

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

Products

Product	Code
Chlorine/pH Pooltest Minikit	SP 600
Chlorine/pH Pooltester	SP 610
Chlorine(0 – 5)/pH/Alk Pooltester	SP 612
Chlorine (0 – 3)/pH/Alk Pooltester	SP 614
Bromine/pH/Alk Pooltester	SP 616
Copper/pH/Alk Pooltester	SP 618
Cyanuric Acid Pooltester	SP 620
Salt Test Kit Pooltester	SP 622
pH/Hydrogen Peroxide Pooltester	SP 623
PHMB/pH/Alk Pooltester	SP 624
PHMB/pH/Hydrogen Peroxide Pooltester	SP 625
Active Oxygen/pH Pooltester	SP 626

Rapid Reagents for Pooltesters

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

Replacement Reagents

Name	50 tests	100 tests	250 tests
Alkalinity (Alkavis)	AL 192B		AK 192
Cyanuric Acid	AL 087B		AT 087
pH (Phenol Red)	AL 131B	AL 131/100B	AT 130
Chlorine / Bromine (DPD 1)	AL 010B	AL 010/100B	AT 010
DPD 3			AT 030
DPD 4			AT 040

Pooltester Refill Packs

Name	Range
30 tests each of free chlorine and pH	AL 003B
30 tests each of free chlorine, pH and alkalinity	AL 004B
20 tests each of Peroxtest and pH	AL 623B

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 pool

Description	Code
Free Chlorine, pH and Alkalinity Pack of 50	PT 634
Free Chlorine, Total Chlorine/Bromine,pH, Cyanuric Acid, Hardness and Alkalinity Pack of 50	PT 637