

Specification for Palintest Pooltest 9 Photometer

- The Test Unit shall be a multi-wavelength colorimeter with pre-programmed test calibrations and weigh 760 grams.
- The Test Unit shall utilize filters having maximum transmission in the wavelength range of 520 nm to 570 nm with a filter bandpass of ± 20 nm.
- The Test Unit shall feature solid-state digital electronics to precisely measure and digitally display pool water chemistry parameters within 1/100ths of a degree accuracy.
- The Unit shall utilize a 2 x 16 character alphanumeric display.
- The Unit shall prompt the user in either English, Spanish, French, German, or international symbols.
- The Unit shall be capable of measuring the following chemical parameters within these ranges:

Free Chlorine: 0.00 – 5.00 ppm (mg/L)
Total Chlorine: 0.00 – 5.00 ppm (mg/L)
Bromine: 0.00 – 10.00 ppm (mg/L)
Ozone: 0.00 – 2.00 ppm (mg/L)
Copper Free: 0.00 – 5.00 ppm (mg/L)
Total Copper: 0.00 – 5.00 ppm (mg/L)
pH Value: 6.80 – 8.40
Alkalinity: 0 – 500 ppm (mg/L)
Calcium Hardness: 0 – 500 ppm (mg/L)
Cyanuric Acid: 0 – 200 ppm (mg/L)

- The unit shall include an automatic blank sequence to allow for precise testing. The Unit shall request new blanking on change of wavelength.
- The Unit shall be capable of operating on (6) AA batteries and include an automatic shut-off to extend battery life
- The Unit shall utilize sealed tablet reagents for all test procedures.
- The DPD reagent tablets shall be EPA approved.
- The phenol red tablets shall contain enough buffering agent to neutralize up to 25 ppm of chlorine in pH test samples.