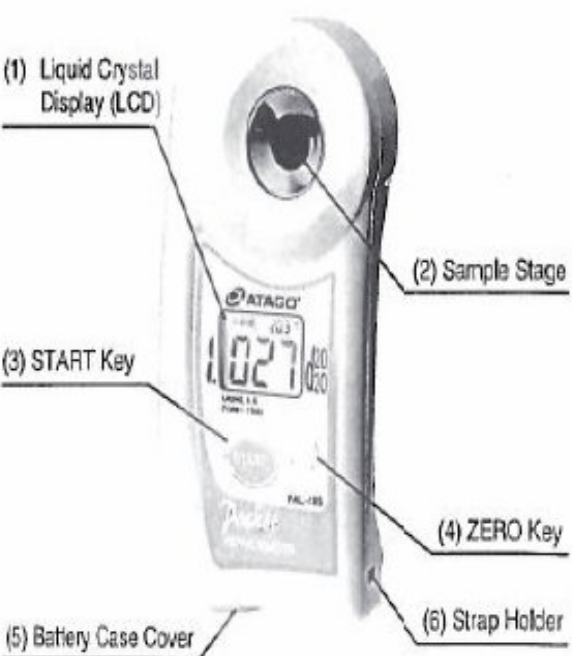


Urine Specific Gravity: Appendix B - Instrument Features

ATAGO Pocket PAL-10S

<p>1. Liquid Crystal Display – Displays the measured values, battery indicator and Temperature of measurement.</p>	
<p>2. Sample Stage – The prism is located at the center of the sample stage.</p>	
<p>3. START Key – Press to begin measurement. To turn off the instrument, press and hold down for two seconds.</p>	
<p>4. ZERO Key – Press to perform zero-setting.</p>	
<p>5. Battery Case Cover – Remove the battery case cover to insert or replace the batteries.</p>	
<p>6. Strap Holder – NOT used at C&W.</p>	

Automatic Temperature Compensation

- As the temperature of a solution changes, so does the refractive index.
- A temperature sensor which measures the change in prism temperature when the sample is placed onto the sample stage.
- Automatic Temperature Compensation displays the specific gravity of the sample corrected to a standard 20°C, within the measurement temperature range of 10-35°C.

Note: To allow for proper temperature compensation, time (approximately 3 – 5 seconds) is allowed for sample and sample stage to equilibrate.

REFERENCES:

ATAGO Instructions of Urine Specific Gravity Refractometer URIVON-Ne
Textbook of Clinical Chemistry. Norbert W.Tietz 1986 WB Saunders.

REVISION & APPROVAL LOG

Version	Revision Type	Description of Change	Revision Date	Technical Approval	Medical Approval
1.0		New document	Nov 2013	Elvira Kozak	Dr. Cathy Halstead
1.1	Minor	Document title and number change. Upload to QMS document control	28 Dec 2016		Dr. Benjamin Jung

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