

## ATAGO Palette-Style Digital Refractometers



02940-59

- ▶ Measure sugar, salt, or wine concentrations in seconds
- ▶ Water-resistant design is ideal for field use in damp areas

Fast and accurate concentration readings make these compact portable refractometers ideal for on-site use. A built-in thermistor provides automatic temperature compensation (ATC) so you don't have to struggle with temperature correction tables. Error messages indicate concentrations or temperatures that fall out of range, inadequate sample volume, standardization errors, or low-battery. Easily calibrate units using distilled water and the zero-adjustment button.

Wine refractometer 02940-62 is perfect for growers, wineries, and grape must buyers. A simple scale selection key puts Brix, Titre Alcoometrique (T.A.), Oechsle, KMW (babo), and Baume scales at your fingertips.

**What's included:** one 9 V battery and manual. Models 02940-58 and -59 also include a sample holder for viscous samples and a vial of standard solution.

### Specifications & Ordering Information



<b>Display:</b> 3-digit LCD	<b>Temperature compensation</b>	<b>Power:</b> one 9 V battery (included)
<b>Response time:</b> 3 seconds	Models 02940-57, -62, -69: 41 to 104°F (5 to 40°C)	<b>Dimensions:</b> 6¾"W x 1½"H x 3½"D
<b>Sample volume:</b> 0.1 to 0.3 mL	Models 02940-58, -59, -61: 0 to 104°F (10 to 40°C)	<b>Shpg wt:</b> 2 lb (1.0 kg)

Catalog number	Applications	Range and scale	Resolution	Accuracy	Price
<a href="#">A-02940-69</a>	Fruits, vegetables, juices, soft drinks, dilution ratios	0.0 to 32.0% Brix	0.1% Brix	±0.2% Brix	
<a href="#">A-02940-57</a>	Fruits, vegetables, juices, soft drinks, dilution ratios, soluble solids	0.0 to 45.0% Brix			
<a href="#">A-02940-58</a>	Concentrated juices, jams, coolants, washing solutions	0.0 to 60.0% Brix			
<a href="#">A-02940-59</a>	Jellies, raw liquid sugar, honey, washing solutions	45.0 to 90.0% Brix			
<a href="#">A-02940-61</a>	Salt content of soy sauce, ketchup, mayonnaise, pickles	0.0 to 10.0% salinity	0.01% at 0.0 to 2.99% 0.1% at 3.0 to 10.0% salinity	±0.05% at 0.00 to 1.0% ±0.5% of reading at 1.01 to 10.0% salinity	
<a href="#">A-02940-62</a>	Wine, grape must	0.0 to 45.0% Brix 0.0 to 26.0% T.A. 1990	0.1% Brix 0.1% T.A. 1990	±0.2% Brix ±0.2% T.A. 1990	

A-09376-04 Replacement batteries, 9 V. Pack of four

## ATAGO Programmable Digital Refractometer



Programmable digital refractometer 81100-20



- ▶ Large LCD simultaneously displays reading, date, time, ambient temperature, and measurement temperature!
- ▶ Program and store up to five percent-concentration scales
- ▶ Optional printer lets you obtain a hard copy of your results

This programmable digital refractometer allows direct reading of Brix, refractive index, and percent concentration ranges with or without automatic temperature compensation. For comparison of unknowns against known concentration standards, you can program and store up to five percent-concentration scales in any range within 1.32700 to 1.58000. Set your own reference temperature and temperature correction coefficient.

Setup is easy—the large, user-friendly display guides you through each parameter. To take a reading, set zero using the zero/enter (SW4) key. Apply sample, close cover plate, and press the START key. The reading is quickly displayed along with date, time, and ambient and measurement temperatures. The last eight readings are automatically stored in memory even if unit is turned off.

Send your results to your computer via the RS-232 output. The printer output lets you print results directly to printer 81100-60 (sold separately below), or any printer with a Centronics® interface.

Refractometer features a sapphire prism and stainless steel sample stage. Built-in desiccant chamber removes moisture from internal optics. For readings outside of the temperature compensation range, refractometer has two barbed ports for connecting a constant temperature bath—see our "Baths and Circulators" section for a complete selection.

**What's included:** a 115 VAC adapter, 4½-ft connection cable, keyboard mask, plastic spoon, 6½-ft tubing (for connecting to bath), vinyl cover, 6-ft power cord with three-prong plug, and instructions.

**A-81100-60 Optional printer,** thermal dot matrix. Includes one roll paper, cables, and instructions. Measures 8½"W x 2"H x 4½"D. Shpg wt 4 lb (1.9 kg)

### Specifications and Ordering Information



<b>Display:</b> dot matrix LCD, 4"W x 3"H	<b>Output:</b> RS-232
<b>Response time:</b> 4 seconds	<b>Power:</b> 85 to 264 VAC, 50/60 Hz
<b>Sample volume:</b> 0.1 mL, minimum	<b>Dimensions:</b> 14¾"W x 4¾"H x 7¾"D
<b>Temperature compensation:</b> 41 to 140°F (5 to 60°C)	<b>Shpg wt:</b> 21 lb (9.6 kg)

Catalog number	Range	Resolution	Accuracy	Price
<a href="#">A-81100-20</a>	0 to 95.00% Brix 1.32700 to 1.58000 RI	0.01% Brix 0.00001 RI	±0.03% ±0.00004	