SPER SCIENTIFIC

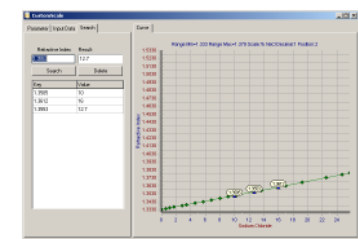# Programmable Digital Refractometer

Create your own custom scales

This programmable refractometer comes preloaded with the commonly used Brix (0 to 88%) and nD (refractive index) scales. In addition, you may create your own custom scales. An unlimited number of scales can be stored in the software's database. Transfer these from your computer to the three numbered display positions on the Programmable Refractometer using the built-in RS232 computer interface. Scales can be loaded and unloaded from your database to your refractometer at any time. Test results can be saved to your computer, graphed and analyzed. Reads samples as small as 0.4ml with full scale accuracy of 0.2% using CCD scanner (linear scanned array imaging) technology. Measurement results, unit of measure, and sample temperature are all displayed on the large LCD, and visual alarms are indicated by a red LED. The programmable refractometer's sophisticated microprocessor provides automatic calibration, automatic temperature compensation, and automatic shutoff (after 3 minutes). A sturdy water resistant case protects the electronics from wet environments and makes for easy clean ups. Features one button calibration to distilled water and indicates when the battery should be replaced (5000 readings). Scratch resistant sapphire crystal lens. Comes ready to use with a 9V battery, distilled water, transfer pipette, cable, AC adaptor, software, instructions and a protective case.

DIM: 7" × 4" × 2½" (180 × 100 × 65 mm). WEIGHT: 18 oz (500 g).

No.	Description
300037	Programmable Refractometer

Scan this QR code to view our product demo.

Unit of Measure	Range	Resolution	Accuracy
Temperature °C	0 to 40°	0.1	1°
Temperature °F	32 to 104°	0.1	2°
Brix	0 to 88%	0.1%	±0.2%
Refractive Index + up to 3 custom scales	1.3330 to 1.5122	0.0001	±0.001