

Precision Digital Barometer and Thermometer

The Model DBT-100 is a portable digital barometer and thermometer combination the size of a handheld calculator. Featuring a digital display and high measurement accuracy, the DBT-100 is an ideal portable barometer and thermometer combination. Atmospheric pressure can be displayed in mmHg or mbar and ambient temperature in °C with 0.1 degree resolution. The DBT-100 operates on two 9Volt alkaline batteries for 100 hours. A Model DBT-100T, a DBT-100 enclosed in a sturdy metal enclosure, for bench top use is also available.

Technical specifications

Display:	16x2 LCD, 0.2" high segments
Selectable units:	mmHg, mbar
Range, Resolution:	600 - 790 mmHg, 0.1 mm Hg, 800 - 1050 mbar, 0.1 mbar 0 - 70 °C, 0.1 °C
Accuracy:	±0.5 mbar, includes non-linearity, hysteresis, and repeatability, ± 0.2 0C, includes non-linearity
Altitude range:	infinite
Operating range:	-9 to 49 °C
Power:	two 9.0 Volt alkaline cells (DBT-100 only) Optional 9 Volt wall adapter (Included with DBT-100T)
Battery life:	100 hours (DBT-100 only)
Dimensions:	20.3 x 11.7 x 5.3 cm (L, W, H) 8.0 x 4.6 x 2.1 in
DBT-100	0.5 kg, 1.1 lbs
Weight:	
DBT-100T	9.1 x 11.4 x 5.1 cm (L, W, H) 3.6 x 4.5 x 2.0 in 0.5 kg, 1.1 lbs



Features

- Employs the latest in pressure and temperature sensor technology
- Wide range: 300 mbar to 1100 mbar ± 0.5 mbar accuracy, +/- 0.2 °C accuracy
- Lightweight, rugged, hand-held design
- Waterproof temperature probe 2 meters in length