

Model DB-800 Reference-class Digital Barometer

The Model DB-800 is a portable digital barometer possessing a combination of handheld calculator size, graphic LCD display, high accuracy, and wide choice of units, making it ideal as a portable pressure reference.

The DB-800 has an all-inclusive accuracy which can be relied on from one year to the next, whatever the environmental conditions. Standard accuracy for this model is 0.05% of Full Scale within normal temperatures.

The DB-800 features a variety of pressure scales to enable the operator to display the atmospheric pressure in a multitude of units. It also can be set to use one of a number of languages including English, Chinese, French, German, Italian, Japanese, Portuguese, Russian and Spanish.

This unit is rugged and dependable, having both a stainless steel sensor and a rubberized, weatherproof case. The case has been designed for hand-held use, either in field applications or for use on the bench.

The DB-800 has advanced features such as Hold, Max/Min/Avg, Alarm, Scaling, and Tare to make troubleshooting easy. The graphic display is a full 2 x 2 inches, providing clear readings and a user-friendly interface.

Each unit is supplied with batteries, a calibration certificate and user guide.

Features

- ▶ Employs the latest in pressure sensor technology
- ▶ Wide range: 52 to 1551 mmHg
- ▶ Wide selection of units
- ▶ $\pm 0.05\%$ FS accuracy
- ▶ Rugged, rubberized, hand-held design
- ▶ RS-232 output



Specifications

Display	5 digit LCD with 5 cm x 5 cm graphic display
Selectable units	mmHg, cmHg, mHg, inHg, mbar, bar, Pa, mPa, kPa, psi, atm, torr, lb/ft sq. in H ₂ O at 4° C, in H ₂ O at 20° C, in H ₂ O at 60° F, ft H ₂ O at 20° C, ft of H ₂ O at 60° F, mH ₂ O, cmH ₂ O, mm H ₂ O, kg/m ₂ , kg/cm ²
Range, Resolution	52 to 1551 mmHg, 0.1 mmHg 70 to 2068 mb, 0.1 mb 2 to 61 inHg, 0.001 inHg 1 psi to 30 psi, .001 psi
Accuracy	$\pm 0.05\%$ of F.S. from 0 to 50° C
Stability	0.01% rdg/yr
Altitude range	Infinite
Power	Three 1.5 V AA alkaline cells
Battery life	50 hours of continuous use
Dimensions	19 x 8.9 x 3.5 cm (7.5 x 3.5 x 1.4 in)
Weight	0.5 kg (1.1 lb)

