



The BF600+ Portable Foetal Doppler is a high-sensitivity clinical handheld device designed to detect and display the foetal heart rate from as early as 12 weeks of gestation. Equipped with a 2.0 MHz ultrasound probe, built-in rechargeable battery, LED FHR display, and earphone output, it is suited for use in hospitals, clinics, and primary care settings where reliable antenatal monitoring is required.

High-Sensitivity Foetal Heart Rate Detection from 12 Weeks

The BF600+ uses a 2.0 MHz Doppler ultrasound probe operating at an intensity of $\leq 10 \text{ mW/cm}^2$ to detect and display the foetal heart rate across a measurement range of 60 to 210 bpm ($\pm 2 \text{ bpm}$ accuracy). Detection is possible from 12 weeks of gestation through to full term, making the device useful throughout the full antenatal monitoring period. The LED display presents the FHR reading in real time, and the device produces a clear, loud audio output of the foetal heartbeat – a key feature in busy clinic environments where the sound quality of the signal directly aids clinician assessment.

Robust Build with Extended Battery Life

The BF600+ is powered by a 14.4 V Ni-MH rechargeable battery pack that supports more than 10 hours of continuous operation – a significant advantage over devices dependent on standard cells, particularly in resource-constrained or high-volume clinical settings. The net weight of 1 kg positions the BF600+ as a portable but substantive clinical instrument rather than a consumer-grade device, reflecting its intended use in professional antenatal environments. An earphone jack is included for

private or low-noise monitoring during examination.

Suitable for Clinical Antenatal Monitoring Workflows

The BF600+ is designed for midwives, obstetricians, and antenatal care nurses who require a dependable, portable Doppler for routine foetal heart rate assessment. Its combination of a sensitive 2.0 MHz probe, extended battery life, and clear audible output makes it well suited to antenatal wards, primary care clinics, midwifery units, and community health programmes. The device operates within a temperature range of 10?40?C, supporting use across varied clinical environments in South Africa.

Technical Specs Table: