Sonoplus 3000-Technical Data

ECG-recording
via integrated three-point electrodes
or with 3-lead patient cable

Heart frequency indication
Numerical 30-240 bpm
Rhythm; pictoral on LCD-Display

Automatic turn-off
after 1 minute of no input
(In demo-Mode manually only)

Myogram filter
through PULSONIC software on PC

ECG-amplifier
- Sampling frequency: 256 Hz
- Dynamic range: ± 5 mV
- Frequency response: 0.05/0.5 Hz– 40 Hz (-3 dB) manually selected
- Digital resolution: 12 bit
- Common mode rejection: > 80 dB
- Input impedance: > 100 MOhms
- Output: via RS 232 interface

Battery duration
approx. 120 hours

Batteries
2, Type AAAA
(Energizer or Duracell)

Environmental
0 °C to 40 °C during operation (32 °F to 104 °F)
-10 °C to 50 °C during storage (14 °F to 122 °F)

Weight
approx. 195 g

Safety standard
Type B according to IEC 601-1

Subject to technical changes

CE 0408

PULSONIC
MEDICAL TECHNOLOGY
Monitoring Innovation

SONOPLUS 3000-DS

This device has the same features as the SONOPLUS 3000 but with the option to disconnect the tubing. This allows use of the ECG unit separately from the stethoscope.

PC display, monitoring, storage, printing and mailing functions.

Includes:

- PULSONIC software for data transfer to PC
- PC-cable
- User's guide

Optional: 3-Lead patient cable

CAUTION (For SONOPLUS 3000 / SONOPLUS 3000-DS):
FEDERAL (USA) LAW RESTRICTS THE SALE OF THIS DEVICE TO, OR BY THE ORDER OF A PHYSICIAN.

THE SONOPLUS 3000 IS NOT INTENDED FOR USE IN INTENSIVE CARE. SIMULTANEOUS USE WITH A DEFIBRILLATOR IS PROHIBITED.

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Distributed by:

PULSONIC
MEDICAL TECHNOLOGY
Monitoring Innovation

State of the art
SONOPLUS™ 3000
Advanced Digital Cardioscope

SWISS MADE
Internationally Patented

- ECG & Stethoscope in one unit
- Pocket size and proven professional design
- Computer based ECG recording technology
- Leads I - II - III
- Automatic pacemaker detection
- ECG-sensitivity automatically amplified
- Recording of speeds 12.5, 25 or 50 mm/s
- Data storage (in-unit) up to 16 minutes and 99 patients records
- Standard stethoscope plus "Anti-Interference-Technology" provides clear acoustics
- Low energy requirement (battery operation)
- RS-232 PC-interface
- PULSONIC software for data transfer to PC
- 3-lead patient cable (optional)

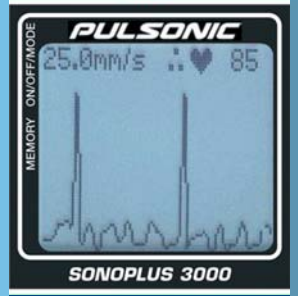
State of the art
SONOPLUS™ 3000
Advanced Digital Cardioscope

"The SONOPLUS 3000 works like a normal stethoscope, but advances diagnostic science by integrating a highly precise and proven ECG that records and reports in real-time".

"The integration of stethoscope and ECG provides the advantage of being able, within seconds, to reliably diagnose cardiac irregularities and distinguish amongst them".

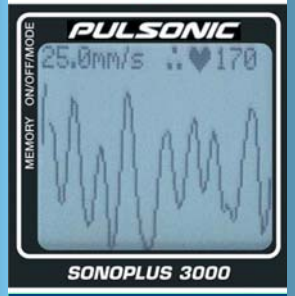
"... You and your patient will enjoy a new level of effectiveness and confort".

A FIB



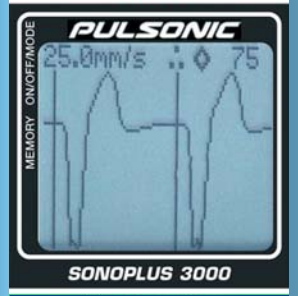
Atrial fibrillation

V FIB



Ventricular fibrillation

PACED



Paced waveform

The SONOPLUS 3000 is a modern tool for cardiological diagnosis and should be standard equipment for every physicians and medical professional!

The SONOPLUS 3000 is used successfully in:

- Cardiology
- General practice
- Anesthesiology
- Gynecology
- Geriatrics
- Pediatrics & birth assistance
- Hospitals & hospital physicians
- Wards & nurse stations
- Emergency aid services
- Cardiovascular rehabilitation
- Sport medicine
- Military medicine
- Medical educational
- Disaster medicine
- Tele-medicine
- As equipment for airlines, ships etc.
- Veterinary medicine (PULSOVET 3000)