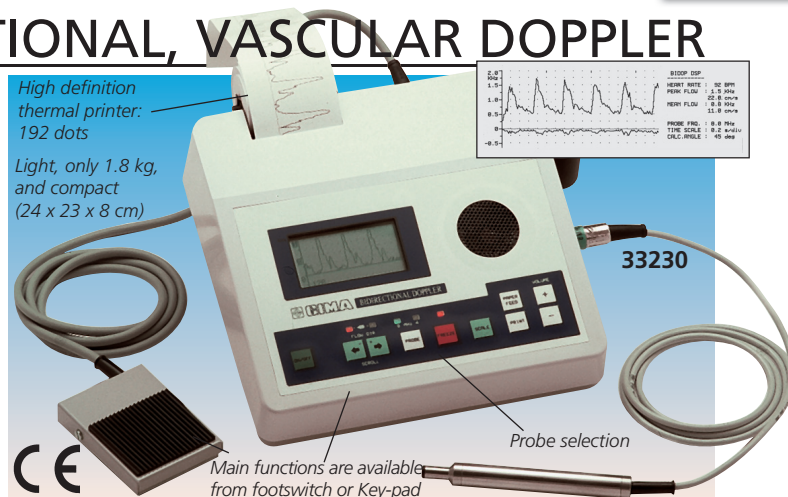


GIMA PORTABLE, BIDIRECTIONAL, VASCULAR DOPPLER

- **33230 GIMA BIDIRECTIONAL DOPPLER NON STEREO with two probes: 4 and 8 MHz**
- Continuous wave (CW) bidirectional doppler equipped with electronic probes for high sensitivity and low background noise.
- bidirectional graphic separation of flow (forward and reverse)
- LCD graphic display for real time display of forward and reverse flow in bidirectional or separate mode
- selectable amplitude scale: 1, 2, 4, 8 kHz during the test and before printing. Preset zero line
- 5 minutes (300 sec.) continuous and reviewable memorized test. Operator can select the most meaningful exam and print it.
- calculation of: heart rate, peak flow and mean flow
- simultaneous connection of high sensitivity probes
- internal rechargeable large capacity battery (Ni-Cd 1.8 Ah); the system can be operated during charging. Autonomy 8 hours
- footswitch for freezing or memorizing the graphs
- hardcopy may or may not include the parameter calculation
- printing time scale: 25 mm/s
- Hi-fi audio output for correct acoustic diagnosis



- **33240 GIMA BIDIRECTIONAL PROBE 4 MHz - spare for 33230**
- **33241 GIMA BIDIRECTIONAL PROBE 8 MHz - spare for 33230**
- **33250 THERMAL PAPER 58 mm x25m (pack of 5 rolls)**

POCKET DOPPLER WITH INTERCHANGEABLE OR FIXED PROBES



GIMA POCKET DOPPLERS

Small, lightweight, high sensitivity pocket Doppler. Its probes are ideal for use by a General Practitioner, vascular specialist for routine vascular examination in ER for vessel location, or by specialists in diabetes, urology and gynaecology. Vascular flow signals and FHR are easily located using the transducer while internal signal processing minimizes noise artefacts. The flow signal is also available to the user via the built-in loudspeaker with output level controlled by rotary volume control. 2 years warranty. Supplied in a nice bag with probe, cable, gel tube and 7 languages user manual: GB, FR, DE, IT, ES, GR, PT.

TECHNICAL SPECIFICATIONS	
Ultrasound	Power supply
Frequency: 2, 5 or 8 MHz continuous wave	Battery 9V Alkaline (not included)
Transducer: 2 crystal narrow beam	Expected battery life: >9 hours
Output power: <15mW/cm ² SATA	Output
Audio Response: 300Hz - 4 KHz	Headset: Audio output to optional headset (not included)
Unit Controls	Material: ABS / Noryl
Keys: 1 Key (for unit on/off)	Size - weight: 150 mm by 75 mm - 299 g
Controls: rotary volume	Classification: Class I Type B - IEC 60601-1
Indicators: Yellow battery low LED	

GIMA POCKET DOPPLERS	
GIMA code	DESCRIPTION
33120	DOPPLER V2005 with 5 MHz fixed vascular probe
33121	DOPPLER V2008 with 8 MHz fixed vascular probe
33123	DOPPLER V2000 (without probe)
33126	2 MHz interchangeable probe - foetal for V2000
33127	5 MHz interchangeable probe - vascular for V2000
33128	8 MHz interchangeable probe - vascular for V2000
29511	ON/OFF membrane switch spare for 33120/3

SONOTRAX DOPPLERS



TECHNICAL SPECIFICATIONS	
Size: 32x85x138 mm	
Weight: 290 g (including battery)	
Heart rate range: 50-210 bpm	
Resolution: 1 bpm	
LCD display: 45x25 mm (only code 29491-93)	
Auto average and manual mode	
Recording length: 480 s / 240 s	
Auto power-off to save power	
Manual: GB, IT - on request: DE, ES, FR, PT.	

DOPPLERS AND INTERCHANGEABLE PROBES - LATEX FREE	
GIMA code	DESCRIPTION
29490	SONOTRAX LITE DOPPLER - without probe - with bag
29491	SONOTRAX BASIC DOPPLER - with display - without probe - with carrying bag
29493	SONOTRAX PRO II DOPPLER with backlit display built-in audio recorder and rechargeable batteries, battery charger, carrying bag, without probe
29496	2MHz waterproof probe - gynaecology
29497	3MHz waterproof probe - gynaecology
29498	4MHz waterproof probe - vascular
29499	8MHz waterproof probe - vascular

SONOLINE COLOUR DOPPLER

29480

CE 0123

29499

CD2.0 PRO

Pocket Fetal Doppler

- **29480 COLOUR SCREEN POCKET DOPPLER**
- portable and lightweight
- built-in speaker
- TFT-LCD, real-time display of FHR
- three working modes: real-time FHR, average FHR and manual calculation
- display of FHR, bar graph and heartbeat waveform, red alarm for abnormal FHR
- low power consumption, continuously work for more than 8 hours with two "AA" batteries LR6 - 1.5 VDC
- indication for probe-off and low battery
- **29481 2 MHz WATERPROOF PROBE - gyn**
- **29482 3 MHz WATERPROOF PROBE - gyn**
- **29483 4 MHz WATERPROOF PROBE - vascular**
- **29484 8 MHz WATERPROOF PROBE - vascular**

TECHNICAL SPECIFICATIONS		
Ultrasound working frequency:	2 MHz ± 10%	
Fetal heart rate:	range: 50-240 bpm	accuracy: ± 2 bpm
	resolution: 1 bpm	
Alarm:	high limit: 160 bpm	low limit: 120 bpm
Ultrasound intensity:	< 5 mm/cm ²	
Auto power off after 1 minute no signal		
Dimension - weight:	135x92x29 mm - 245 g	