

Ultrasound Technologies Pocket Doppler Range



PD1v & PD1cv vascular pocket dopplers

The **UltraTec PD1v** is a small, lightweight, high sensitivity pocket vascular doppler. Its vascular pencil probes are ideal for use by a general practitioner or vascular specialist for routine vascular examinations.

Vascular flow signals are easily located using the lightweight narrow beam pencil probe while internal signal processing minimises noise artefacts. The flow signal is also available to the user via the built-in loudspeaker or optional headset with output level controlled by rotary volume control. A chart recorder output is provided for the printing of non-directional waveforms.

The unit is powered by a standard 9V battery.

PD1v additional features

- Lightweight unit with pencil probe
- 8MHz probes
- 8MHz flat probe available
- Velocity output

The **UltraTec PD1cv** is a lower cost vascular doppler alternative to the **PD1v**, it uses high sensitivity fixed frequency probes of the type used on the **PD1combi** doppler.

There is an option of fixed 5MHz or 8MHz probes to cover most common arterial and venous applications. Vascular signals are provided via the built-in loudspeaker and optional headset, unlike the **PD1v** the **PD1cv** does not provide for a velocity output.

optional flat probe



Ultrasound

Frequency (PD1/1+ /dwr)	2MHz continuous wave
Frequency (PD1combi /v/cv)	5 or 8MHz continuous wave**
Probe	2 crystal narrow beam
Output power	<15mW/cm ² SATA
Audio response	300Hz – 1KHz
Fetal heart rate (PD1+ /dwr)	Multipoint real time autocorrelator

Unit Controls

Keys	1 Key (for unit on/off)
Controls	Rotary volume
Indicators (PD1/combi /v/cv)	Yellow battery low LED
Indicators (PD1+ /dwr)	3 digit FHR LCD display / FHR pulse icon / Battery Low icon

Power Supply

Battery	MNI604 (PP3) 9V Alkaline Manganese
Expected battery life (PD1/combi /v/cv)	>9 hours
Expected battery life (PD1+ /dwr)	>6 hours

For more information contact

Ultrasound Technologies Ltd Lodge Way, Portskewett, Caldicot NP26 5PS South Wales, UK
Telephone +44 (0) 1291 425425 Fax +44 (0) 1291 427093 Email: sales@doppler.co.uk
Webpage: www.doppler.co.uk

Outputs

Headset	Audio output to optional headset
Serials (PD1+ /dwr)	RS232 interface to optional UltraTrace
	2 PC software
Recorder (PD1v)	Voltage output proportional to velocity of flow

Enclosure

Material	ABS
Size	150mm by 75mm
Weight	295g typically including probe

Safety

Classification	Class I Type B - IEC 60601-1
----------------	------------------------------

Specification applies to all units unless otherwise indicated

** The **PD1cv** is supplied with a fixed probe – the frequency must be specified at the time of ordering.

Specification subject to change without notice

© Ultrasound Technologies Ltd 2009

