



ULTRA-TEC POCKET DOPPLERS

PD1

Pocket Fetal Doppler

The UltraTec PD1 is a small, lightweight, high sensitivity pocket Doppler. Its 2MHz fetal Doppler probe is ideal for use by General Practitioner, Obstetrician or Midwife for routine antenatal fetal detection. The fetal signal is available to the user via the built in loudspeaker or optional headset with output level controlled by edge mounted volume control. The fetal signals are easily located using the lightweight narrow beam transducer while internal signal processing minimises the noise artefacts.

The unit is powered by a standard 9V battery which provides over 9 hours of use. The PD1 meets all current EEC standards for medical equipment.

CODE	DESCRIPTION
DPD1	PD1 FETAL DOPPLER 2 MHZ PROBE
DPDAH	DOPPLER AUDIO HEADSET
DPD1SC	DOPPLER SPARE SOFT CASE



Features

- Lightweight ABS unit and probes (295g typically including transducer)
- Easy to clean ABS housing
- 2MHz fixed transducer
- Battery saver system with 9 hour life
- Audio output for optional headphones
- Includes soft carry bag
- 3 year warranty

PD1+

Pocket Fetal Doppler with FHR Display

The FHR (Fetal Heart Rate) is displayed on a large LCD display with the audio signal available to the user via the built in loudspeaker or optional headset with output level controlled by rotary volume control. FHR traces are available by connection of the serial output to the optional UltraTrace 2 PC compatible software. The fetal signals are easily located using the lightweight narrow beam transducer while internal signal processing minimises the noise artefacts.

The unit is powered by a standard 9V battery which provides over 6 hours of use. The PD1+ meets all current EEC standards for medical equipment.

CODE	DESCRIPTION
DPD1+	PD1+ FETAL DOPPLER 2 MHZ PROBE WITH DISPLAY
DPD1ULTRA	ULTRATRACE FETAL SOFTWARE & CABLE (FOR DPD1+ AND DPD1DWR)



Features

- Lightweight ABS unit and probes (295g typically including transducer)
- 2MHz fixed transducer
- Built-in FHR correlation software and large LCD display
- RS232 serial connection (cable and software optional)
- Battery saver system with 9 hour life
- Audio output for optional headphones
- Includes soft carry bag
- 3 year warranty

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ULTRA-TEC POCKET DOPPLERS

PD1 COMBI

Interchangeable Probe Doppler

The UltraTec PD1 combi is a small, lightweight, high sensitivity pocket Doppler with interchangeable probes. The 2MHz fetal probe is ideal for use by General Practitioner or Midwife for routine antenatal fetal detection.

Fetal signals are easily located using the lightweight narrow beam probe while internal signal processing minimises noise artefacts. Connecting one of the interchangeable 5 and 8 MHz vascular probes provides an ideal tool for use by a General Practitioner for routine vascular investigation, in ER for vessel location or for monitoring pulses and systolic blood pressure and also by the specialist in diabetes or dermatology. Audio signals are available to the user via the built-in loudspeaker or optional headset with output level controlled by rotary volume control.

The unit is powered by a standard 9V battery which provides over 9 hours of use. The PD1combi meets all current EEC standards for medical equipment.



Features

- Lightweight unit and probes (295g typically including transducer)
- Easy to clean ABS housing
- Comes with your choice of transducer (2MHz fetal, 5MHz or 8MHz vascular). Extra transducers can be added at any time
- Cable attachment at probe end eliminates excess cables
- Battery saver system with 9 hour life
- Audio output for optional headphones
- Includes soft carry bag
- 3 year warranty

Technical Specifications

Ultrasound	
Frequency	(PD1/1+ /dw ^ˆ r) 2 MHz continuous wave (PD1combi /v/cv) 5 or 8 MHz continuous wave**
Transducer	2 crystal narrow beam
Output power	<15mW/cm ² SATA
Audio response	300Hz – 1KHz
Fetal heart rate	(PD1+ / dw ^ˆ r) 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 (PD1+/dw ^ˆ r) 3 digit FHR LCD display / FHR pulse icon / Battery Low icon
Power Supply	
Battery	MN1604 (PP3) 9V Alkaline Manganese
Expected battery life	(PD1/combi /v/cv) >9 hours (PD1+/dw ^ˆ r) >6 hours
Outputs	
Headset	Audio output to optional headset
Serials	(PD1+/dw ^ˆ r) 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 transducer
Safety	
Classification	Class 1 Type B - IEC 60601-1
Specification applies to all units unless otherwise indicated	
** The PD1v and PD1cv are supplied with a fixed transducer – the frequency must be specified at the time of ordering.	

CODE	DESCRIPTION
DPD1COMBI2	PD1 COMBI DOPPLER WITH 2 MHZ PROBE
DPD1COMBI5	PD1 COMBI DOPPLER WITH 5 MHZ PROBE
DPD1COMBI8	PD1 COMBI DOPPLER WITH 8 MHZ PROBE
DP2MHZ	DOPPLER PROBE ONLY 2 MHZ
DP5MHZ	DOPPLER PROBE ONLY 5 MHZ
DP8MHZ	DOPPLER PROBE ONLY 8 MHZ





ULTRA-TEC POCKET DOPPLERS

PD1V

Pencil Probe Vascular Doppler

The UltraTec PD1v is a small, lightweight, high sensitivity pocket Doppler. Its 8MHz vascular pencil probe is 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 high sensitivity pencil probe while internal signal processing minimises the noise artefacts. The flow signal is 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 which provides over 9 hours of use. The PD1v meets all current EEC standards for medical equipment.



Features

- Light weight unit and probe
- High sensitivity pencil probe
- Easy clean unit and probe
- Velocity output processing
- 1mV/V recorder output
- High quality surface mount electronics for high reliability
- 3 year warranty

CODE
DPD1V5
DPD1V8

DESCRIPTION
DOPPLER VASCULAR 5MHZ PENCIL PROBE
DOPPLER VASCULAR 8MHZ PENCIL PROBE

PD1V FLAT

Specialist Flat Probe Doppler

The UltraTec PD1v flat is a small, lightweight, high sensitivity, specialist pocket Doppler. Its flat vascular probes are ideal for taping in position for long term monitoring or for use by a vascular specialist for routine vascular examinations.

Vascular flow signals are easily located using the narrow beam high sensitivity flat probe while internal signal processing minimises the noise artefacts. The flow signal is 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 which provides over 9 hours of use. The PD1v meets all current EEC standards for medical equipment.



Features

- Light weight unit and probe
- High sensitivity flat probe
- Easy clean unit and probe
- Velocity output processing
- 1mV/V recorder output
- High quality surface mount electronics for high reliability
- 3 year warranty

CODE
DPD1FLATV8
DPD1VET
DPD1CATC

DESCRIPTION
PD1 DOPPLER WITH FLAT PROBE 8 MHZ
PD1 FLATU8 WITH ANEROID SPHYG AND 5 CUFFS
SPARE CUFFS SET OF 5





ULTRA-TEC POCKET DOPPLERS

PD1CV

Vascular Pocket Doppler

The UltraTec PD1cv is a small, lightweight, high sensitivity pocket Doppler with fixed vascular probes. It is perfectly suited as an entry level doppler for the General practitioner or emergency nurse as well as Podiatrists, Chiropodists or vascular specialists for pressure index or routine vascular detection . Choosing a fixed 5 or 8 MHz vascular probe provides an ideal tool for use by a General Practitioner for routine vascular investigation, in ER for vessel location or for monitoring pulses and systolic blood pressure and also by the specialist in diabetes or dermatology.

Audio signals are available to the user via the built-in loudspeaker or optional headset with output level controlled by rotary volume control.

The unit is powered by a standard 9V battery which provides over 9 hours of use. The PD1combi meets all current EEC standards for medical equipment.



Features

- Lightweight unit and Probe
- Easy to clean
- 5 or 8MHz vascular probes
- Battery saver system
- 3 year warranty

CODE

DPD1CV5
DPD1CV8
DPD1V5
DPD1V8

DESCRIPTION

PD1CV VASCULAR DOPPLER WITH 5 MHZ PROBE
PD1CV VASCULAR DOPPLER WITH 8 MHZ PROBE
PD1V VASCULAR DOPPLER WITH 5 MHZ PENCIL PROBE
PD1V VASCULAR DOPPLER WITH 8 MHZ PENCIL PROBE

PD1DWR

Waterbirth Doppler with FHR

The UltraTec PD1dwr is a small, lightweight, high sensitivity pocket Doppler with built in fetal heart rate processing. The 2MHz fetal Doppler probe is sealed for immersion in water and ideal for use by a General Practitioner or Midwife for routine antenatal fetal detection or waterbirth FHR monitoring.

The fetal heart rate is displayed on a large LCD display with the audio signal available to the user via the built in loudspeaker or optional headset with output level controlled by rotary volume control. FHR traces are available by connection of the serial output to the optional UltraTrace 2 PC compatible software.

The fetal signals are easily located using the sealed lightweight narrow beam transducer while internal signal processing minimises the noise artefacts.

The unit is powered by a standard 9V battery which provides over 6 hours of use. The PD1dwr meets all current EEC standards for medical equipment.



Features

- Light weight unit and transducer
- Sealed probe for water immersion
- Easy clean unit and transducer
- Built in FHR correlation software
- Large LCD FHR display
- RS232 connection.
- High quality surface mount electronics for high reliability
- 3 year warranty

CODE

DPD1DWR
DPD1ULTRA

DESCRIPTION

PD1DWR FETAL DOPPLER 2 MHZ PROBE
WATER PROOF WITH DISPLAY
ULTRATRACE FETAL SOFTWARE & CABLE
(FOR DPD1+ AND DPD1DWR)

