HUNTLEIGH

TECHNICAL SPECIFICATIONS

of the Dopplex DMX Handheld Doppler



Based on over 20 years experience in the field of vascular assessment, the latest generation of the world renowned Dopplex handheld Doppler offers even greater performance, quality and reliability.

	Physical	be and battors	
Weight	310 gms (11oz) (including one probe and battery)		
Height	140 mm (5.5")		
Width	75 mm (3.0")		
Depth	33 mm (1.2")		
Output			
Max. Audio output	500mW rms typical		
Max. Headphones Output	32 mW rms (32Ω headphones) (max. applied voltage +9Vdc)		
	3.5mm jack socket		
Data Output and Charging	Via Micro USB socket		
Environmental			
Operating & Storage: Temperature	+10°C to +30°C	-10°C to +40°C	
Operating & Storage: Relative Humidity	10% to 90% (non-condensing)	93% maximum	
Operating & Storage: Pressure	860mb to 1060mb	860mb to 1060mb	
General			
Auto Shut-Off	3 minutes - Standby		
	10 minutes unconditional		
Battery Type Recommended	2x NR06 (AA NIMH rechargeable 1.2V) – supplied with DMXR		
	2x LR6 (AA Alkaline cells 1.5V) – su	upplied with DMX	
Battery Life	Typically 500 x 1 minute examinations		
	IEC 60601-1: Edition 3.1		
	JIS T 060606-1:2012		
	ANSI/AAMI ES 60601-1:2005.		
Standards Compliance	IEC 60601-1-2:2014		
	CAN/CSAC22.2 No 60601-1:08.		
	IEC 60601-1:1998+A2:1995 (2nd Edition)		
	EN 60601-2-37:2008+A11:2011 – Thermal Indices (TI) and		
	Mechanical Index (MI) are below 1.0 for all device settings.		
Bluetooth®	Bluetooth [®] : V4.0 – Dual-Mode		
	Frequency : 2.402 - 2.480 GHz		
	Transmit Power : + 8 dBm (maximum)		
Charger- 'R' models only	Protection : Class II		
	Input Voltage : 100-240 V AC ±10%		
	Output Voltage : 5VDC ± 5%		
	Input Frequency : 50 - 60Hz Standby power consumption: 230V AC ≤ 0.1W		
SD Cord Slot		$10 \text{ AC} \ge 0.100$	
SD Card Slot		Micro SD	
Display	2.4" diagonal TFT ¼ VGA (320x240pixels, 48mm x 36mm)		
Timebase and Scroll Memory	3, 6, & 12 secs	20 secs	
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Technical Specifications

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IEC601-1 Classification		
Type of Shock Protection	Internally powered equipment	
Degree of Shock Protection	Type B - equipment with an applied part	
Degree of protection	Main Unit: IP20	
against harmful ingress	Probes (Tip only): IPX1	
of particles and/or water.	SR2/SR3 probes : IPX7	
Degree of safety of application in	Equipment not suitable for use in the presence of a FLAMMABLE ANAESTHETIC MIXTURE WITH	
the presence of a flammable anaesthetic	AIR, OXYGEN OR NITROUS OXIDE	
Mode of Operation	Continuous	
	Probe Transmitter Frequencies	
OP2XS	2.0 MHz ± 1%	
OP3XS	3.0 MHz ± 1%	
VP4XS	4.0 MHz ± 1%	
VP5XS	5.0 MHz ± 1%	
VP8XS/EZ8XS	8.0 MHz ± 1%	
VP10XS	10.0MHz ± 1%	
Effective Area of Active Transmitter Element		
OP2XS – OP3XS	233 mm² (± 15%)	
VP4XS – VP5XS	22 mm² (± 15%)	
VP8XS – VP10XS	8 mm² (± 20%)	
EZ8XS	14 mm² (± 20%)	
FHR Performance		
Standard Mode		
Range	60-210bpm	
Resolution	1 bpm	
Averaging	4 beats	
Accuracy	±3bpm	
Smoothed Mode		
Range	60-210 bpm	
Resolution	1 bpm	
Averaging	8 beats	
Accuracy	±3bpm	
Manual Mode	p	
Range	60-210 bpm	
Resolution	1 bpm	
Averaging	10 beats	
Accuracy	±3bpm	
Accuracy	Tonhin	