

Technical Specifications

INTENDED USE:	Pulse rate measurement, real time charts, variability, analysis and wireless notification.
PATENT:	US Patent #6897773
CE notice:	Chest strap sensor/transmitter: N2965 CE0537 indicates compliance with European medical device directive.
FCC notice:	FCC ID: QU8FOURCAST Declaration of conformity to FCC Rule part 15.
TCB notice:	Grant of equipment authorization. Declaration of conformity to FCC Rule part 2.931.
ANSI notice:	Declaration of conformity to ANSI standard C63.4-1992.
UL listed:	81J1E81356.
FEATURES:	Provides fast reliable pulse rate measurements on any person. Non-invasive. Wireless convenience. Coded to prevent interference. No wires to entangle or restrict the movement of a person. No contact gels to irritate the skin. Ideally suited for use in homes, gymnasiums, sports, work place, at a picnic. Tele-monitoring from a remote location.
METHOD OF POWER:	Chest sensor/transmitter Battery type: CR2025 Battery life: Approximately 2500 hours or 2 years (1hour/day, 7 days/week). Repeater: Battery type: Size AA. Rechargeable. 1.5volt. Nickel metal hydride. Charging circuit includes monitoring to prevent overcharging. Time between charges (inside device): 48 hours. Battery life: Approximately 1000 recharges in 2 years. Receiver: 5 volts USB computer port. Charger: Wall transformer: CUI Stack DPD030040-P7-DK. Input 120VAC 60 Hz 4W. Output 3VDC 400mA Model No. DV-3400
OPERATING TEMPERATURE:	14degF to 122degF (-10degC to 50degC).
DIMENSIONS:	Chest sensor/transmitter: 2.5x1.5x0.5 inch hard plastic enclosure Chest strap: 1.125 inch wide. Adjustable length. Repeater: 2.75 x 2 x 0.8 inch. Charger: 2.125 x 1.375 x 1.375 inch. Receiver: 2.75 x 2 x 0.8 inch.

WEIGHT:	Chest sensor/transmitter	1.0	
	Chest strap	1.3	

	Chest total (on body)	2.3	
	Repeater (in pocket)	2.7	1.8 (without battery)
	Receiver (remote)	3.0	

	Grand total	8.0 ounces	

MATERIALS: Sensor/Transmitter: Hard plastics enclosure. Polyamide.
Water proof up to 30meters (100 feet).
Chest strap: Polyurethane, polyester, polyamide, nylon and natural rubber including a small amount of latex.
Repeater: Hard plastic enclosure.
Receiver: Hard plastic enclosure.
Plastic covered metal wire cable between receiver and computer.

DATA COMMUNICATIONS:
Wireless to computer via USB port. Coded to prevent interference.

INFORMATION DISPLAY:
Computer screen: Real time. Beat to beat numeric pulse rate. Time chart of current pulse rates and archived pulse rate log for up to approximately 1 year for 1000 users. Hard copy printable.