



Thinklabs Rhythm:ds32 Specifications

Feature	Specification	Notes
Probe		
Material	Lightweight Aluminum Alloy	
Diaphragm	Thinklabs Electromagnetic Diaphragm, 39mm diameter	1
Diaphragm Retainer	Screw-on Ring for rapid replacement	1
Transducer Frequency Range	15Hz – 20,000 Hz	2
Display Indicators:	Low Battery Red LED	
	Diaphragm Mode Green LED	
	Bell Mode Green LED	
	Sync Indicator Red LED	
	Zoom Mode Enable Blue LED	
Digital Control System		
Power requirements	2 x 1.5V - 2 x AAA Alkaline Batteries	3
Controls	Power On/Off, Standard/Zoom Mode Select	
	Diaphragm/Bell Mode Select	
	Sync Enable	5
Frequency Modes	Diaphragm	2
	Bell	2
Amplification/Gain Modes	Standard Equivalent to an acoustic stethoscope	
	Zoom Variable control 0 to approx. 50X gain	
Auto Shut-off	Automatic, after 90 seconds	
Audio I/O Port		
Analog Output	Line Level 2V p-p, Zout < 4 Ohms	4
Analog Input	Line Level 2V p-p, Zin = 8 Ohms	4
Headphones		
Drivers	2 x 16mm 16-Ohm Neodymium	
Eartips	Silicone, removable	
Tubing		
Material	PVC with Kevlar reinforcement	
Length	Approx. 15" (381mm)	
General		
Length	29" (737mm)	
Weight	6 oz. (180g) including batteries	

Notes:

1. Use only Thinklabs diaphragms. Standard diaphragms will not operate with Thinklabs technology.
2. Transducer signals are filtered to match Diaphragm and Bell signal characteristics.
3. *Rechargeable* alkalines and not recommended, since they typically have only 1.2V max. voltage.
4. Analog Output switches to an Input port when unit is Off, allowing 2 devices to inter-connect for 2 listeners, or to be driven by an external driver for multiple listeners. Do not connect to AC-powered equipment. See Instructions/User's Manual for details.
5. Sync Indicator flashes at signal peak, indicating S1 over the apex of the chest, and S1 or S2 at other locations. See Instructions/User's Manual for details.