

**Edelhoff Technologies USA**  
**BioHarness Zephyr**  
**Physiological Status Monitoring**  
**(PSM) System**

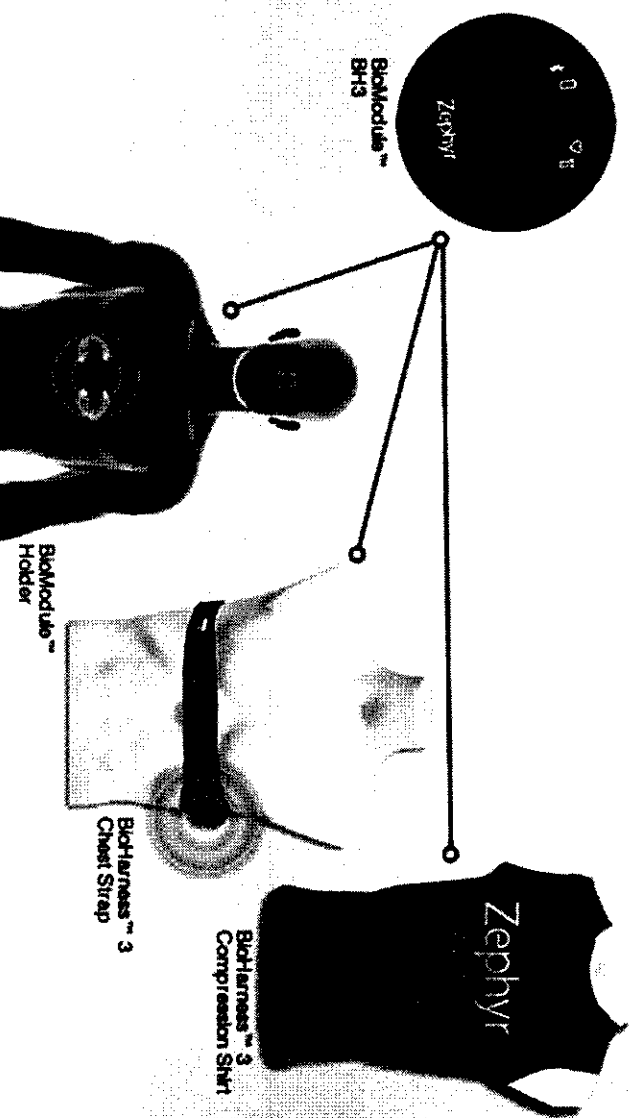
** Edelhoff Technologies USA**

9361 Winkler Drive, Suite A  
Houston, TX 77017  
Phone: 713.947.6469 Fax: 713.947.6488

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BioHarness Zephyr Physiological Status Monitoring (PSM) System

Performance Monitoring should be this versatile



### **Designed To Make Monitoring Wireless**

The BioHarness™ 3 is the premiere compact physiological monitoring module that enables the capture and transmission of comprehensive physiological data on the wearer via mobile and fixed data networks – enabling genuine remote monitoring of human performance and condition in the real world.

BioHarness™ 3 has applications in any field requiring high-level wireless and remote physiological monitoring, including research, training and wellness situations. It offers a vital advantage to users in a diverse range of sectors, including academic and research, sports, defense and wellness.

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### BioHarness Zephyr Physiological Status Monitoring (PSM) System

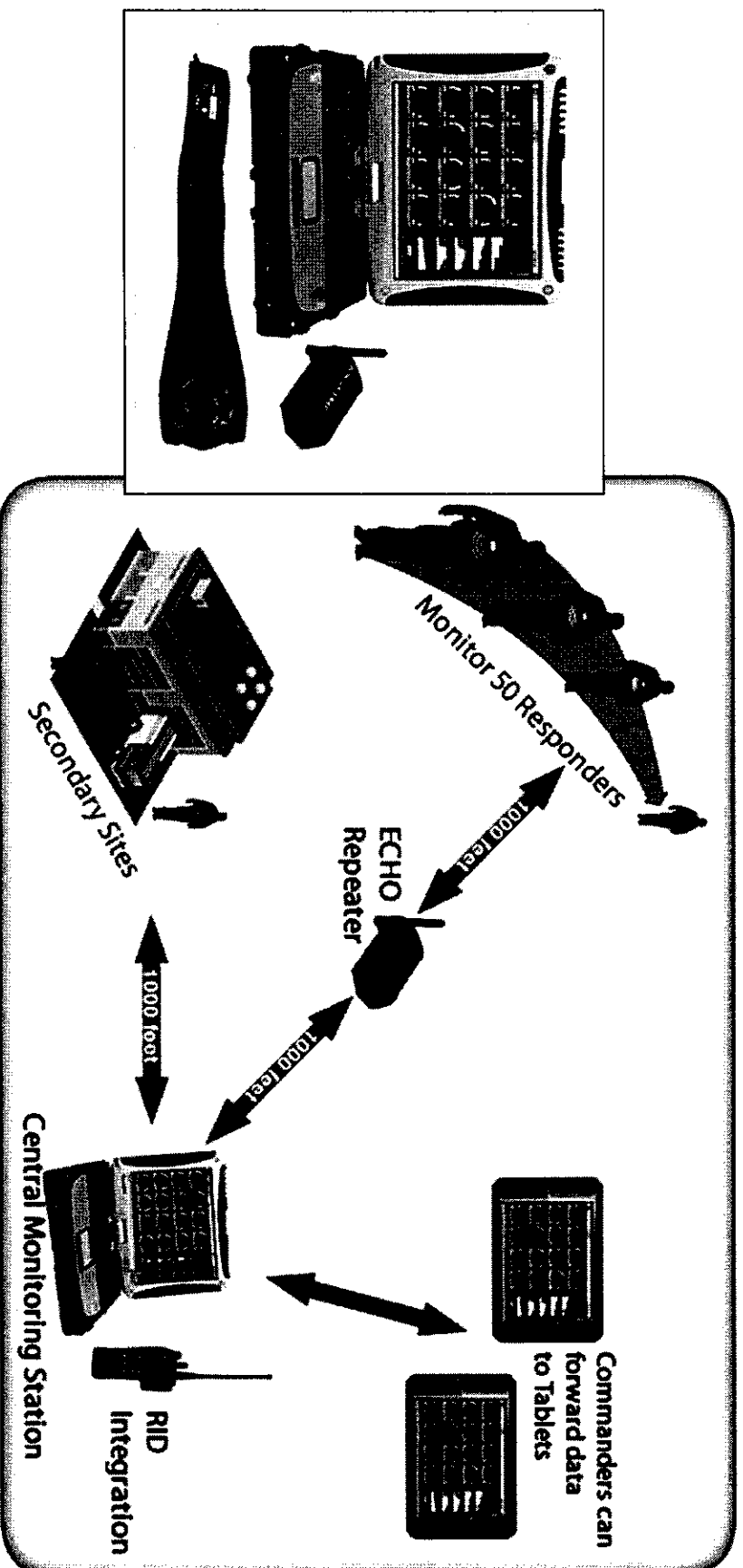
#### Features

- Multiple Physiological Measurements
  - Heart Rate
  - Heart Rate Variability
  - Heart Rate Recovery
  - Respiration Rate
  - Accelerometry
  - Intensity & Load
  - Estimated Core Temperature
  - and more!
- Live Training Zones
- Individual and Team Reporting
- Available Team Compression shirts make monitoring comfortable and easy
- Designed to monitor 50+ people simultaneously

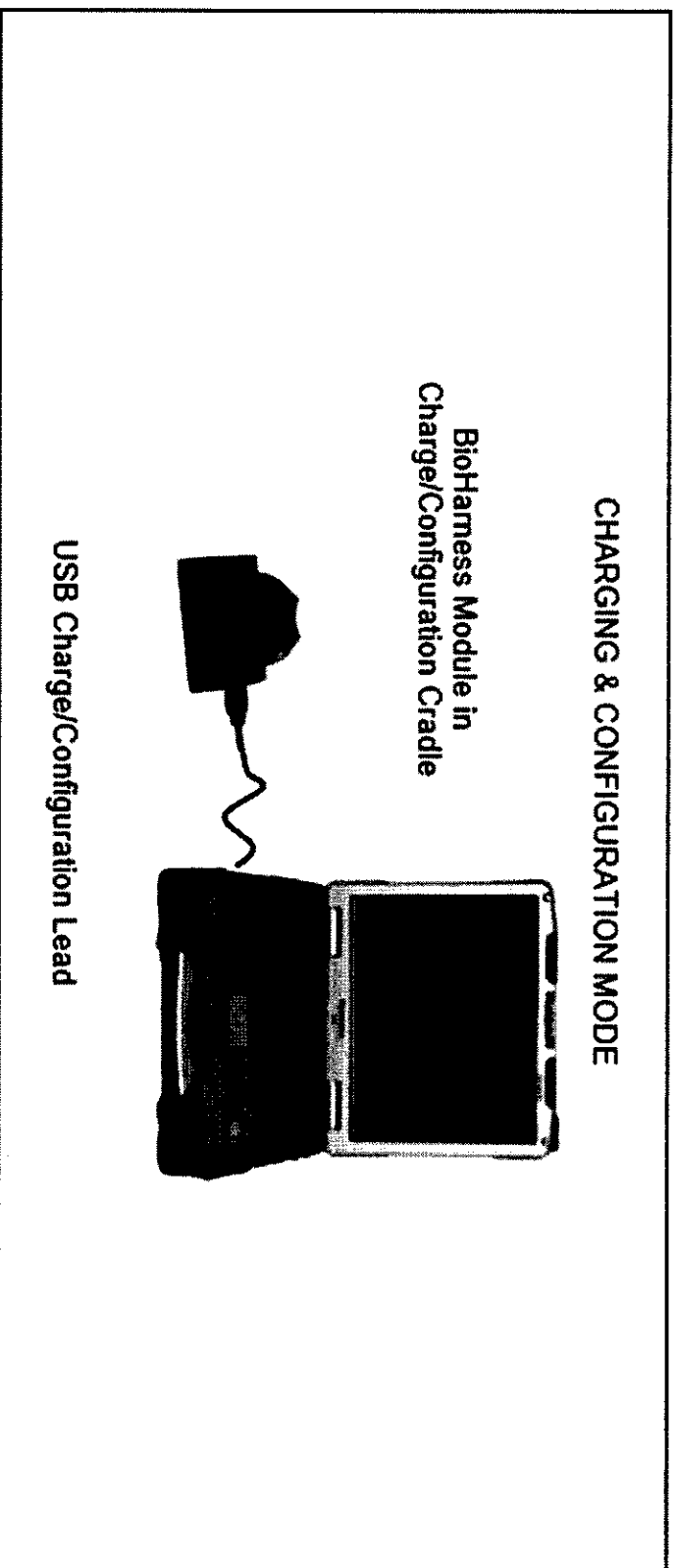
#### BioHarness Specifications

HR Range:	25 – 240 BPM
BR Range:	4-70 BPM
Acc. Range:	±16g
Battery Type:	Rechargeable Lithium Polymer
Battery Life:	26 Hours per charge
Charge Cycles:	300
Transmit Range:	To ~300ft, ~1000ft w/Antenna & Amplifier
Frequency:	2.4 – 2.4835GHz
Garment Washes:	80
Operating Limits:	
Temperature:	-10 – 60°C
Humidity:	5 – 95%

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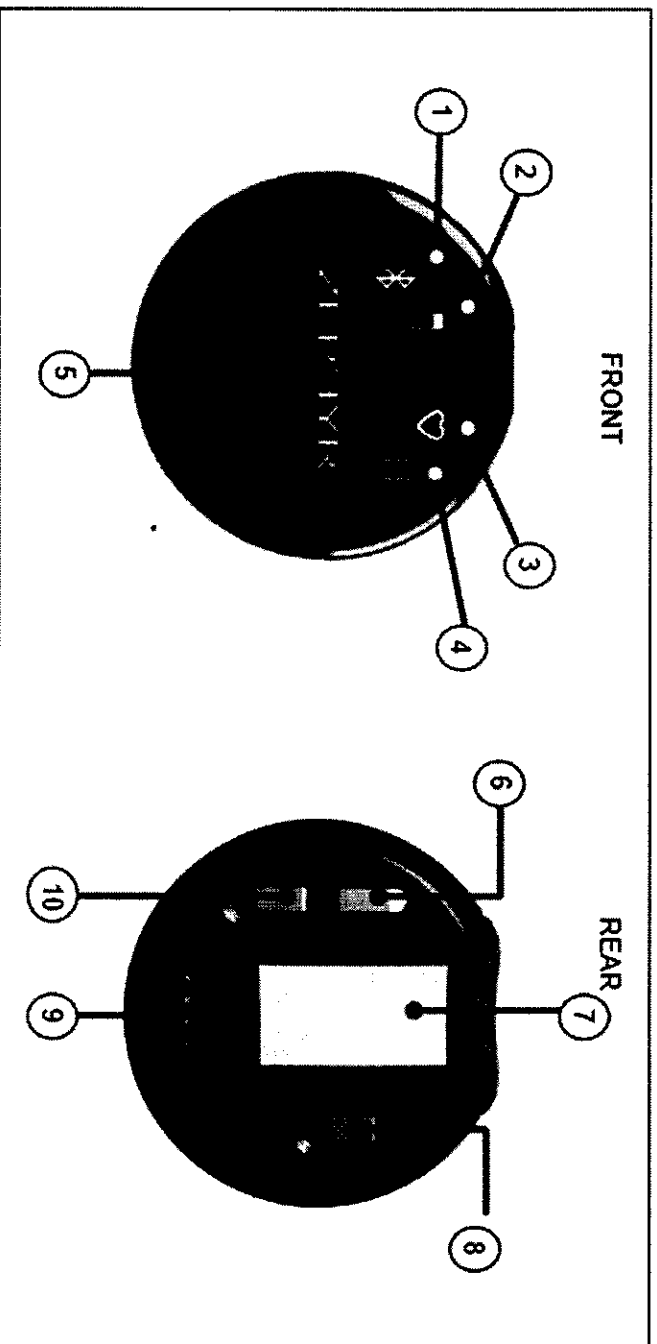


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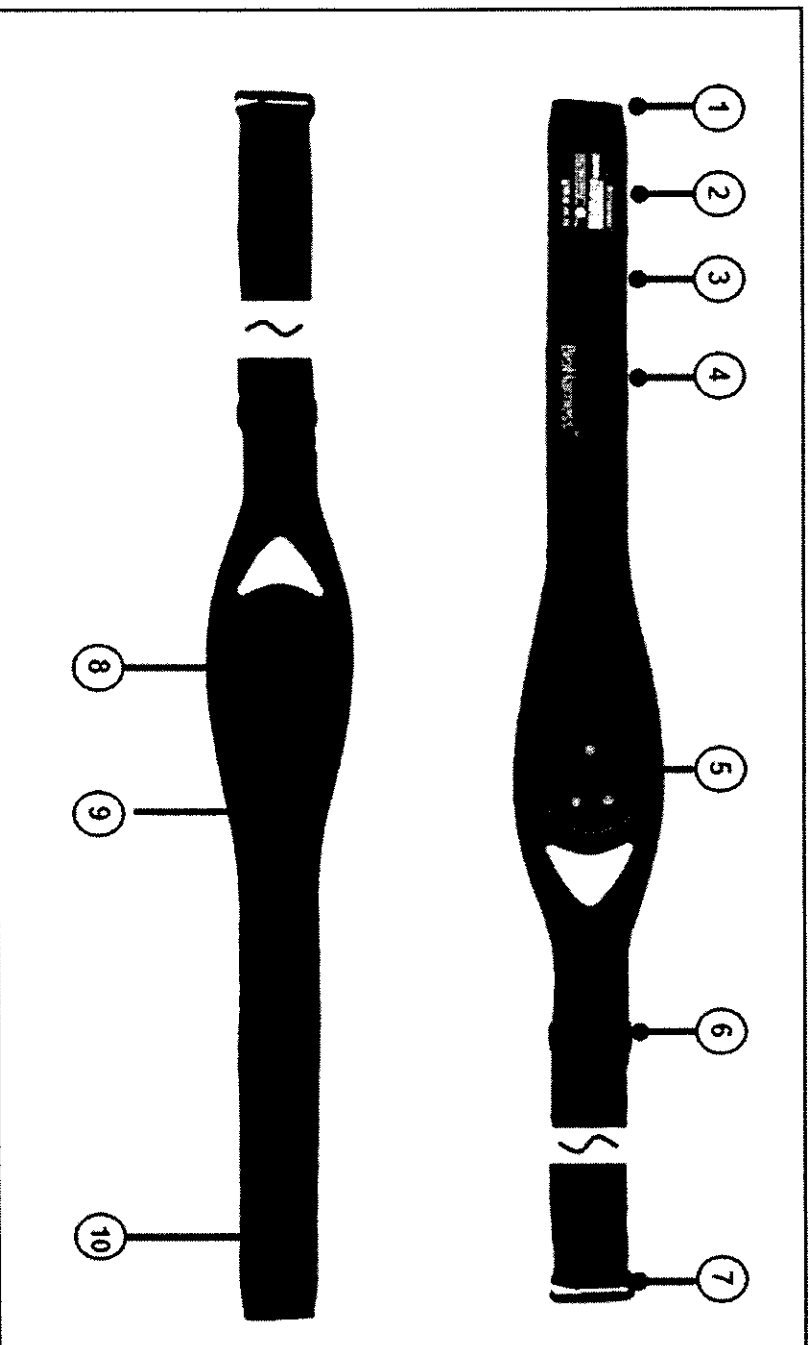


1. Blue Bluetooth indicator LED
2. Orange battery indicator LED
3. Red HR detection status LED
4. Green logging indicator LED
5. ON/OFF button

6. Ground spring contact
7. Rear label location
8. ECG signal spring contact
9. USB charging/configuration contacts
10. Breathing signal spring contact

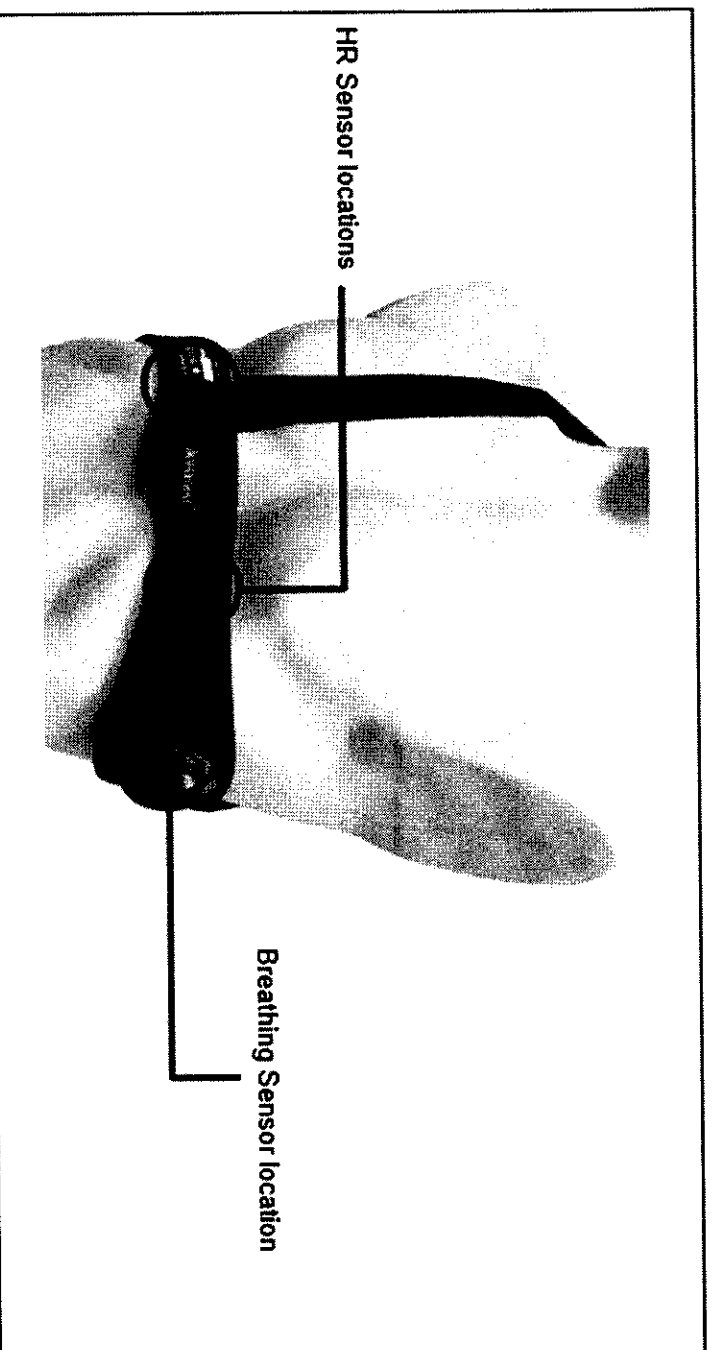
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### BioHarness Zephyr Physiological Status Monitoring (PSM) System



1. Main fastener sleeve
2. Wash, size and serial # label
3. Loop for optional shoulder strap
4. Zephyr brand label
5. BioHarness module receptacle and sensor contacts
6. Size adjustment slider buckle
7. Main fastener hook
8. Internal breathing sensor location
9. Conductive ECG sensor pad
10. Conductive ECG sensor pad

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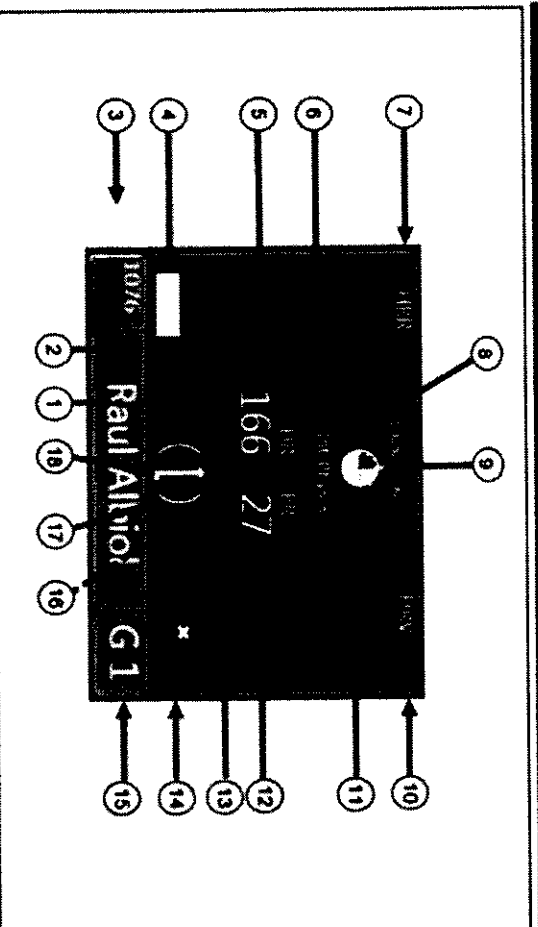
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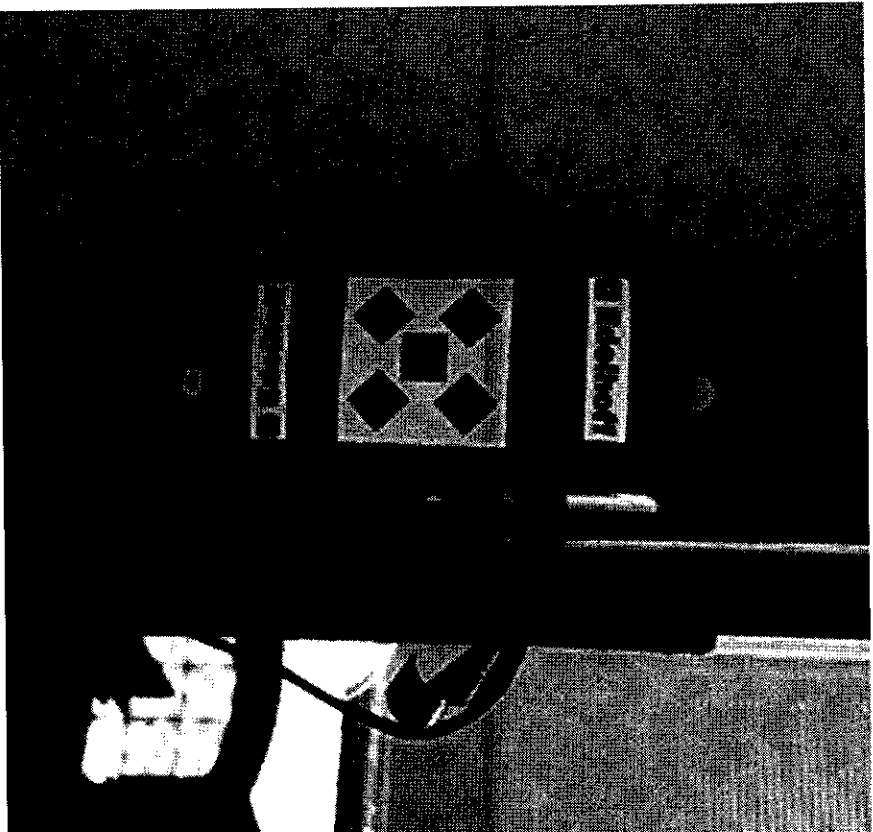
#### Bluetooth / ECHO BioGauge



1. Name or Identifier
2. Physiological (Red/Orange/Green) or Comms (Blue/Grey) status indication - name background color
3. BioHarness Identifier
4. BioHarness battery level
5. Configurable field 1
6. Sweep scale reflecting configurable field 1
7. Configurable field 2
8. Configurable field 3
9. Data age indication (4 x 1min quadrants) if Status = Blue
10. Configurable field 4
11. HR at Anaerobic Threshold (AT) graphic
12. Configurable field 5
13. Sweep scale reflecting configurable field 5
14. Device signal strength indication (ISM and ECHO systems only)
15. 'R', 'O', 'G' indication of ROG status | Time in status (0 - 99 minutes)
16. Red cross means BioGauge also displayed on Medics Tab (not visible)
17. Activity Level (T) = walking equivalent ((T)) = running equivalent
18. T = positive indication

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### ECHO Gateway

- Connects to PC to link PSM monitor to PC/monitoring software

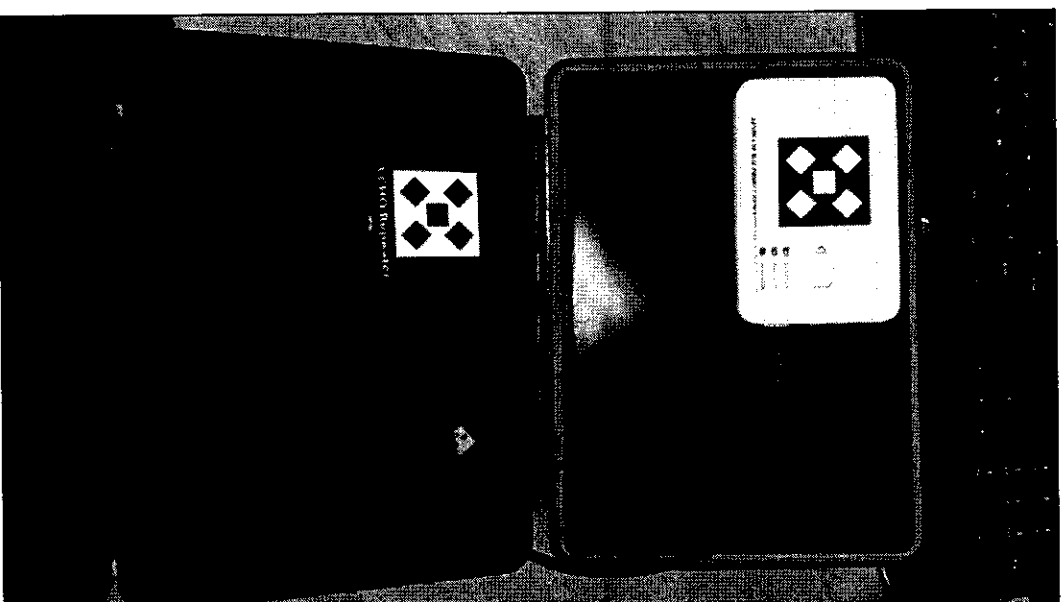
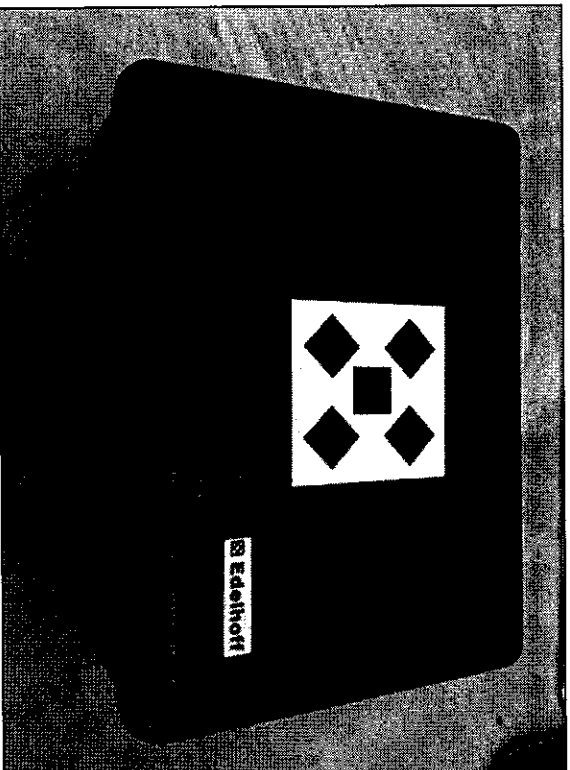
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### ECHO Repeater

- Signal range extender



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