

Ideal for sports conditioning, exercise physiology, human factors, public health, and psychological studies with 1 to 64 subjects



The TEAM System provides simultaneous real-time physiological monitoring for multiple subjects across a wide area.

TEAM System RF telemetry physiology monitoring systems include AcqKnowledge 4 software for advanced analysis. Each subject wears a BioHarness system that telemeters heart rate, respiration rate, temperature, posture, activity, and acceleration back to a TEAM central recording station. A single TEAM recording station can receive data from as many as 64 subjects.

- Key TEAM BioHarness™ sensors
 - heart rate
 - breathing rate (patented)
 - skin temperature
 - activity
 - posture



- AcqKnowledge® 4 software with advanced analysis automation tools
- Radio built in and memory for 24 days
- Works under extreme activity
- Fabric-based, dry contacts—no skin break down
- Comfortable over long periods, washable
- Unobtrusive, light and small
- No wires
- Logging or Radio
- Detect ventilatory (anaerobic) threshold
 - Heart Rate reduction at end of activity
 - Anaerobic threshold detection
- Biomechanical markers give context (at rest vs. active)
- Individually configurable thresholds and bio alarm algorithms for prioritization

TEAM status BioGauge



Displays vital signs, fatigue levels & status
 - Green: all is well
 - Orange: monitor closely
 - Red: person needs attention

- Bio Alarms** for easy monitoring
- Heat stroke, hydration, over exertion
 - Zone Training (HR and BR)
 - deeper information on demand
 - set thresholds for heart zones and anaerobic threshold

Heart Rate (HR) zones at a glance

- HR as % of max
- HR < 65% Green
- HR 65 – 85% Orange
- HR 85 - 100% Red

Breathing Rate (BR) zones at a glance

- BR in relation to ventilatory threshold (Anaerobic threshold)
- BR < VT Green
- BR > VT < 15s Orange
- BR > VT > 15s Red
- VT is set as a default or specific to the individual

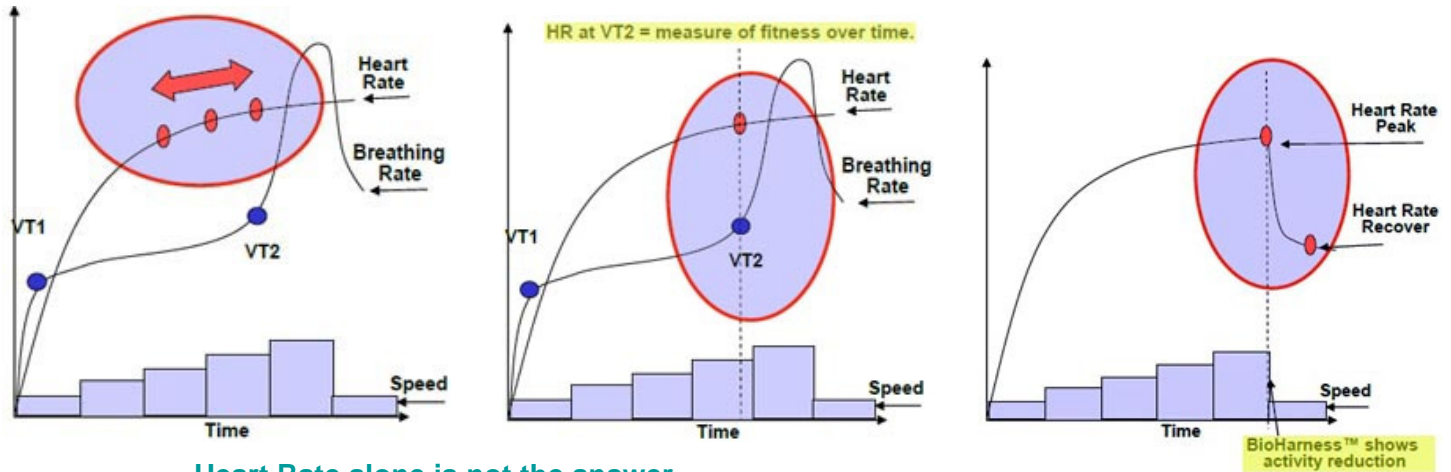
Monitor & Measure

All received data is recorded in the system database against the associated person

- Select sessions and create sub-session or areas of interest with the simple, intuitive interface
- Use AcqKnowledge 4 for advanced analysis of respiratory sinus arrhythmia
- Monitor multiple people / sessions / variables

- Display time series data quickly and easily
- Produce statistical data with a single click
- Summarize sessions and sub-sessions
 - compare individuals or trend analysis for one person over multiple sessions
- Direct access to raw waveforms
- One-to-one connection to BioHarness™
- Exports to other analysis programs via CSV

Combine Measures for Valuable Information



Heart Rate alone is not the answer

- Heart Rate is noisy when activity is high.
- Heart Rate is shallow so accuracy moves a large amount between zones.
- Heart is affected by anxiety and stress.
- Heart Rate is affected by chemicals such as caffeine.

Breathing rate measures metabolic change

- Accurately measure VT2 (anaerobic threshold).
- No mask required.
- Heart Rate at VT2 measures fitness and fatigue.
- Breathing Rate zones for effective training.
- Measure during interval training or other activity.

Easily measure heart rate recovery

- BioHarness™ activity sensor makes recovery period easy to locate.
- Heart Rate Recovery (HRR) is a well known measure of fitness and fatigue.
- Can also be used to signal thermal stress.

TEAM SYSTEM COMPONENTS	TEAMSYSTEM-1	TEAMSYSTEM-4	TEAMSYSTEM-16
AcqKnowledge 4.1 for Windows	1	1	1
Team System CD	1	1	1
BioHarness Unit	1	4	16
BioHarness Charger	1 x USB	1 x 4-position charger	4 x 4-position charger
Smart Fabric™ straps	1 x small 1 x medium 1 x large	(no small) 4 x medium 2 x large	5 x small 10 x medium 5 x large
Antenna	dongle	freestanding w/case	freestanding w/case
US or Euro plugs	included	included	included
Support Docs	included	included	included
USB Power	included	included	included
5 m USB ext cable	--	included	included
1 m USB A to miniB cable	--	included	included
System case	--	included	included

EXTEND YOUR TEAM SYSTEM—create a system to monitor any size group up to 64 people with applicable TEAM options

- **TEAM BioHarness Unit** TEAMEXT adds a BioHarness Unit for one person—add in multiples to create your ideal group size
- **Battery Charger** TEAMCHARGER 4-position battery charger—add in multiples as each 4-position charger is filled
- **Chest Straps** RXCHESTSTR-X small, medium, or large straps—mix sizes and quantities as needed (1, 5, or 50/pk)
- **TEAM Software License** TEAMSITE17-64 license dongle extends an existing TEAMSsystem-16 software license to 17 to 64 subjects