GSA Schedule Contract # 47QSMA21D08PZ

MADE IN THE USA

Executive Order #14005 -Buy American-

Just Test -it!™

Hire us to conduct the test, or buy.

Fitness Assessment

Orbiter's Assessment Timing system is just what your military, police, or government unit needs to make your test successful. Only you control the results. It uses radio frequency identification (RFID) tags to keep track of participants. The Orbiter registers each lap and as an option split time as the tag passes an Orbiter detector in the microwave or UHF radio band. It is a complete system with everything you need including wrist-ankle transponders and straps, minus cables and mats.

Rated **"Exceptional"** by U.S. Navy Great Lakes and other bases during a GSA Audit, the system is used by 93 federal customers and growing. Our customers has reported our equipment worked for over 10 years trouble free. It is very rugged, may be dropped, and used in the rain without cover, also snow and desert environments. NJ Transit Police reports over 15,000 detections without a miss.

Detections are made on a "line" for precise timing. With twice the power of other system, and our patented side antenna design no separate mats, loop wires, boxes, or cables are required. No need to construct stands or use screw in-fittings. 24 Volt Battery with AC too.

The mobile detectors only take 3 minutes to set up and start testing. Systems may be permanently installed outdoors or indoors. Assessment operators like the ability to never delay a test. As long as the tags are deployed, all that needs to be done is wave the start tag and "go". **With REPROCESSING* feature all software administration may be done after the test. Conduct back to back tests with the CLONE button with just 4 key strokes.**

Configure your course anyway you can imagine such as out and back, loop track, or segment times on obstacle courses. Start your test with **"Social Distance"** wave starts or by Gun (Mass Start) or by Chip (Individually).

Call for a free software demo download. Or hire us and we will come to you and turn key lap-count and time the run portion of your test. Only you control the results with no Internet CLOUD for complete security.

3 minute set up.

Rolls on wheels. Just turn "on" as there are no parts or cables to assemble for your test.

With permanent installation no harmful trenching into the track.

24 Volt Battery operated AC optional.

Modern battery-less transponders.

A focus on Fitness Assessment available 365 days a year.

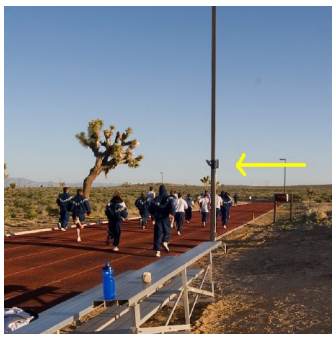
888-816-4366 Info@Orbiter.com

Orbiter, Inc. 13500 Pacific Avenue South, Tacoma WA 98444 253.627.5588

U.S. Patent No. 8085136

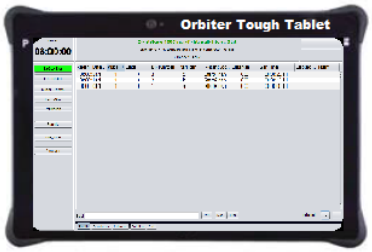
ORBITER Fitness Assessment

See Video at https://www.orbiter.com/military-training/



As seen above, Permanent Mounted Microwave Spans entire track without harmful trenching as with competitive systems.

See Results in Direct Sun Light



Military Spec Rugged Tablet. Drop proof, Submerge in water, 100% wireless. Call out times to runners.

Choice of Gun, Chip, Interval, & Wave Start.

Never Lose a Test:

- **When the detector "beeps" 100% your test is safe. This is because only Orbiter has all of these Features:**
- **Reprocessing & Cloning for fast testing without errors.***
- **FIFO saved data.**
- **Non-volatile memory.**
- **Your computer does not need a live connection to the Orbiter Detector.**

Weather-proof, cold-temperature design:
-20 degrees F on battery, - 30 degrees on AC if started above -20 degrees F.
Detect range: UHF **26 ft**, Microwave 60 feet (Spans an entire track and times accurately all 8 lanes.)
Color: Orange – graffiti and UV tolerant.
Weight: 28 lbs.
Size: (excluding base) 48"X12"X 11"
Portable: Polyurethane ball-bearing wheels.
Tag-detect response: LED strobe and variable volume alert
Power: Battery and AC power

Optional: Display & Weather System records temp, humidity, wind.

Photo Finish Capture

Track Side LED

Detailed Features:

A built in Battery power level indicator (Green – Yellow – Red) is standard. This allows plenty of time to plan ahead for recharging the unit. Batteries may be recharged while the unit is in use. Choice of Microwave for permanent Orbiter installation, or UHF 3D passive tags for the mobile system.

Chest Bibs, or tags affixed to the ankle or wrist, using strap may be used.

The Orbiters may be set to "last tag" or "first tag" detect seen, depending on the fitness directors preference. The distance tags detected from the Orbiter may also be controlled. This is done through Orbiter's patented **"Phase Detection"** positioning technology. Orbiter is the only RFID side antenna system that detects on a precise line for time accuracy.

An internal clock keeps time within each bollard. The clock automatically synchronizes with the scoring computer.

The system operates in logging mode (without a live connection to a tablet / laptop) or in real time mode with a connection. **A copy of your test is always retained inside the detector so even if your tablet / laptop is broken your test results are safe.**

Localized design, for the military not CLOUD based to meet security requirements.

For Purchasing: (1) All-In-One construction. No separate boxes or cables to connect. (2) No mats laid onto the track, (3) Safer Absorbed Glass Mat (AGM) Batteries not Lithium Ion. (4) Software has "Reprocessing" and "Clone" features. (5) Non volatile memory (6) For permanent installations no trenching into track, and ability to detect runners time precisely on both inside and outside lane of the track. (7) Longer tag life, no re-charge for 5 years. Tags guaranteed for 5 years.

Rationale: (1) No mats or cables for safety against tripping & much quicker set up. (2) AGM batteries eliminate Fire / Explosion Hazard found with Lithium Ion Batteries. (3) Ability to correct event configuration after the events starts protects original test data. (4) Quick back to back testing. (5) No volatile memory saves data if power fails. (7) AGM batteries are found at hardware stores which lowers cost and serviceability issues.

12" Wide

Range 26ft

Wrist / Ankle Tag1 inch X 1 inch X 1/2 Inch

ORBITER USES SAFE AGM BATTERIES APPROVED FOR AIRLINE TRAVEL.

Orbiter, Inc. 13500 Pacific Avenue South, Tacoma WA 98444 253.627.5588

U.S. Patent No. 8085136