



AccuBeat Ltd.

Line of Business

Atomic Clocks
Accurate Frequency
& Time Systems
GPS Disciplined Solutions

Established

1994

Leading Executives

Dr. Avinoam Stern
President

Mr. Benny Levy
CEO

Mr. David Fagelston
VP Sales & Marketing

AccuBeat is a leading provider of exceedingly accurate Frequency and Timing solutions and products suitable for Aerospace, Defense, Telecommunications, Research and other applications. Based on our patented Rubidium Atomic Clock or OCXO technology with optional GPS disciplining, AccuBeat's products achieve the highest levels of accuracy and reliability. Our products and platforms are deployed in sensitive Military and Government programs worldwide and have earned the trust of the IDF, the USAF, Project Galileo and others. In the commercial field our equipment can be found in Telecommunications equipment, SDH networks, research facilities as well as in calibration and testing solutions worldwide.

AccuBeat provides COTS and customized, ruggedized products and solutions and we work closely with the customer to provide the exact

Q.A System

AS9100 Rev C
ISO 9001:2008

AccuBeat's Product Line

- Rubidium Frequency Standards
- GNSS Disciplined Rubidium/OCXO Time & Frequency Centers
- NTP/PTP Time Servers
- Redundancy Switches & Distributors
- Oven Controlled Crystal Oscillators

AccuBeat's Leading Products

- **AR133A Product Range**
 - Disciplined Rubidium Frequency Standard
 - Outputs: 10MHz and 1PPS
 - Short term stability: $<3E-12$ @ 100s
 - The smallest size in the market



AR76



AR133



AR51A-09

requirements for each project. AccuBeat's Time and Frequency centers are battle-proven in numerous tactical applications, including combat planes, UAVs, transport aircraft, helicopters, ships, missile platforms and ground mobile vehicles. AccuBeat's products are designed to meet the most stringent MIL STDs, and are essential in environments prone to GPS jamming, spoofing, blocking and EMI interference.

AccuBeat's highly professional and experienced team of managers, PhDs, engineers and technicians provide on-time solutions to all our customers' needs, applying years of know-how and experience to the development and manufacture of the most demanding and most accurate Rubidium based clocks.

"Fast is fine, but accuracy is everything"
(Xenophon, 430-354 BC)

- **AR51A Product Range**
 - GPS Disciplined Rubidium Clock
 - C/A or P(Y) code, SAASM GPS Receiver
 - Frequency Accuracy: $< 1E-12$
 - 1PPS Accuracy: Typ. 20ns (RMS)
 - Full MIL-STD
- **AR76A Product Range**
 - GPS Disciplined Rubidium Clock
 - Frequency Accuracy: $< 1E-12$
 - Multiple Configurable Inputs/Outputs
 - IRIG-B, LAN, NTP/PTP, Have Quick, RS-232, 10MHz, 1PPS
 - Rack Mounted (1U)



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