

Specializing in Atomic Clocks, Accurate Time & Frequency Products and Solutions

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AccuBeat is a leading provider of Accurate Frequency and Timing solutions used in Defense, HLS, Aerospace, Communications and other industries. Based on Rubidium Atomic Clock or OCXO technology with optional GPS disciplining, AccuBeat's products achieve the highest levels of accuracy and reliability and are deployed by IDF, the USAF, Project Galileo, Tier 1 Telecommunication companies and many other sensitive Military, HLS, Infrastructure and Government programs worldwide.

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

With more and more devices, systems and platforms relying on data from GNSS, these environments are prone to jamming, spoofing, interference and other time related cyber-attacks. AccuBeat has developed solutions and systems that can detect and identify threats to the GNSS system and ensure continuous and uninterrupted accurate timekeeping and synchronization even in a GPS denied or threatened environment.

AccuBeat solutions protect critical infrastructure, telecoms, HLS and Defense equipment and ensure continued operations where other systems fail.

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)

Q.A System

- AS9100D
- ISO 9001: 2015

AccuBeat's Products Line

- Rubidium Frequency Standards (stand alone and miniature PCB mountable)
- GNSS Disciplined Rubidium/OCXO Time & Frequency Centers
- Portable Calibration Suitcase
- Solutions of GPS-Denied environments
- NTP/PTP Time Servers
- Redundancy Switches & Distributors
- Oven Controlled Crystal Oscillators

Line of Business

- Atomic Clocks • Accurate Frequency & Time Systems • GPS Disciplined Solutions • Protection in a GPS-denied environment



AR133 –
Rubidium Standard



AR51-00 – Time
& Frequency Center



AR51-07 with
Vibration Tray



Nano Atomic Clock



TFW - Protecting Your Timing



AR76 – Rack Mounted Solution



AR50- Calibration Case

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Xenophon 430-354 BC