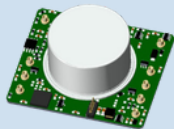
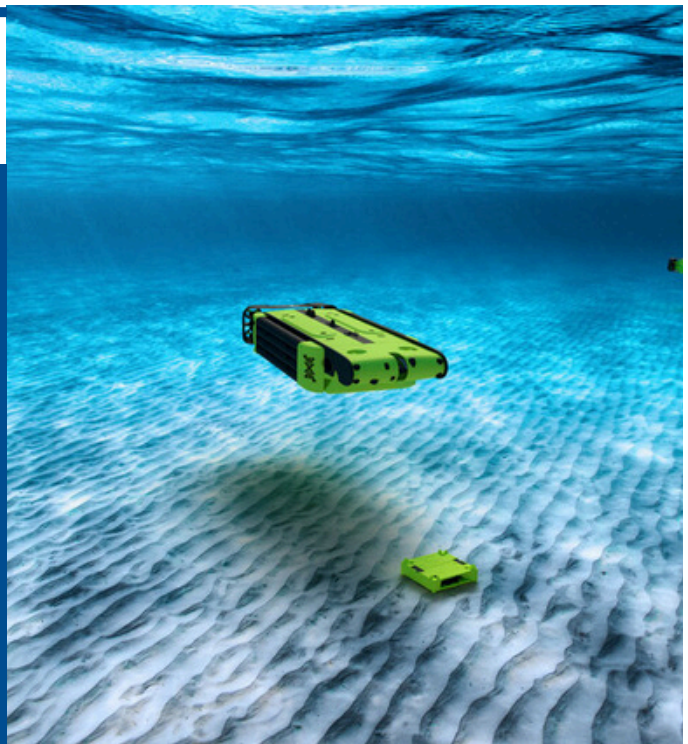




MAXIMIZE PRECISION AND EFFICIENCY WITH THE DTQ-100A ULTRA-LOW POWER DISCIPLINED OSCILLATOR

Taitien Electronics introduces the DTQ-100A, offering atomic clock-level precision with ultra-low power, perfect for underwater sensing, seismology, and long-term applications



At Taitien Electronics, we recognize the need for precise time synchronization in challenging environments like underwater sensing, oil exploration, and long-term data capture. That's why we developed the DTQ-100A, an ultra-low power 1PPS disciplined oscillator that provides atomic clock-level precision and unmatched efficiency.

Why Choose the DTQ-100A?



Ultra-Low Power Consumption

With just 65mW power usage, the DTQ-100A is perfect for power-constrained environments, extending deployment periods, lowering maintenance costs, and boosting efficiency.



Superior Precision

Achieving $< \pm 10^{-12}$ frequency accuracy and 1ns RMS phase accuracy, it keeps your system perfectly synchronized, essential for reliable data in seismic research and oil monitoring.



Effortless 1PPS Integration

The built-in 1PPS synchronization simplifies integration, improving accuracy and reducing complexity, allowing quicker deployments and fewer errors.



Cost-Effective Solution

Offering similar precision to CSAC at a fraction of the cost, the DTQ-100A brings high-precision synchronization within reach, optimizing budgets for large-scale deployments.

Designed for Your Applications

From Ocean Bottom Nodes (OBN) to smart grids and battery-powered systems, the DTQ-100A is engineered for tough environments. Its compact design and RS232 interface ensure seamless integration, saving time and resources.

Conclusion

The DTQ-100A is more than just an oscillator—it's a strategic investment in the efficiency, precision, and reliability of your critical operations. For high performance, lower costs, and seamless synchronization, trust the DTQ-100A to deliver.

Act Now! Explore the potential of the DTQ-100A. Contact us today or visit Taitien Electronics to learn more.

