



## NetClock®/GPS Backup Oscillators



*In the event of severe weather or physical damage to the GPS antenna, precision oscillators maintain accurate timing.*



**NetClock 9383**

Mission-critical GPS systems demand redundancy in order to maintain operations in any contingency. Legitimate system concerns include weather-related GPS signal loss (lightning strikes, high winds, etc.), physical damage to the antenna, GPS signal jamming and electromagnetic pulse (EMP), and even if the federal government disables the GPS signal for some reason.

NetClock precision oscillators ensure seamless operation whenever GPS signal is lost temporarily. These highly stable oscillators can also synchronize T1/E1 telecommunications lines.

During normal operation, Spectracom's oscillators are "trained" by the GPS signal to operate at extremely precise levels. Should the GPS signal be lost, the oscillator instantly takes over, maintaining synchronized timing until the GPS signal is restored.

### OCXO and Rubidium Oscillator Options

#### OCXO

OCXO Quartz Crystal Oscillator provides one month of time synchronization accuracy and interoperability without a GPS signal.

#### Rubidium

Rubidium Oscillator provides the highest level of timing accuracy and two-year operation without a GPS signal.

*Even if GPS is lost or unavailable, NetClock can continue to provide accurate, reliable time synchronization for all your operations.*