Clock Precision Levels Available from BRG

Did you Know! - You can greatly Reduce Cost and Increase Reliability by Simply Increasing Precision.

BRG offers ultra-high precision oscillators that often eliminate the need for GPS, radio, or network synchronization. Ultra-high precision oscillators may also eliminate the need for expensive master clocks, wiring or radio synchronization. Many BRG clock models already include ultra-high precision oscillators to immediately reduce cost and increase reliability. BRG ultra-high precision clocks are factory synchronized to the U. S. Atomic Clock and do not require any further synchronization for the life of the clock. BRG offers the most precise wall clocks available anywhere, at any price.

<table>
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<tr>
<th>Levels</th>
<th>Description</th>
<th>Products</th>
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| **Crystal Oscillator (XO)** | Standard for synchronized analog wall clocks, battery powered clocks that are designed to receive frequent time updates from a master clock.  
- 20 Parts per Million (PPM)  
- Accurate to 10 minutes per year | **Standard Feature on**  
- Economy Digital Clocks  
- Analog Clocks |
| **Temperature Compensated Crystal Oscillator (TCXO)** | The TXCO is standard in BRG Precision Digital Clocks  
- 2 Parts per Million (PPM)  
- Accurate to 1 minute per year | **Standard Feature on**  
- Precision Digital Clocks  
- Serial Wire Sync sub-masters  
- Timers  
- Message Displays |
| **Oven Controlled Crystal Oscillator B (OCXOB)** | The OCXOB is standard in BRG Digital Time Zone Clocks and most BRG Master Clocks.  
- 0.2 Parts per Million (PPM)  
- Accurate to 6 seconds per year  
- 1 hundred times more accurate than most competing clocks  
- Eliminates the need for GPS or Network time synchronization | **Standard Feature on**  
- Time Zone Clocks  
- DuraTime Master Clocks  
- Serial Wire Sync Masters  
**Optional Feature on**  
- Timers  
- Message Displays |
| **Oven Controlled Crystal Oscillator A (OCXOA)** | The OCXOA is standard in BRG Digital Time Zone Clocks and most BRG Master Clocks.  
- 2 Parts per Billion (PPB)  
- Accurate to 0.06 seconds per year  
- 1 thousand times more accurate than most competing clocks  
- Eliminates the need for GPS or Network time synchronization | **Standard Feature on**  
- Time Zone Clocks w/seconds  
- DuraTime HP  
- Matrix Clocks  
**Optional Feature on**  
- Time Zone Clocks |
| **Rubidium Atomic Clock Oscillator (RbXO)** | Optional for all Master Clocks  
- 4 Parts per Trillion (PPT)  
- Accurate to .0012 seconds per year  
- 1 million times more accurate than competing non-atomic clock systems | **Optional Feature on**  
- DuraTime Master Clocks  
- UHF Master Clocks  
- Time Zone Clocks |