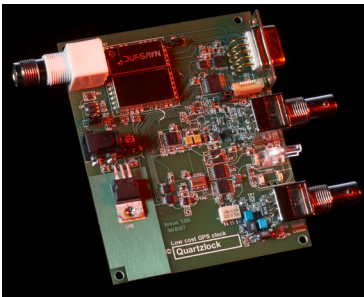


Press Release ~ July 2008

Time and Frequency at Low Cost



E8-X Desktop Model



E8-X OEM PCB Model

The new Quartzlock E8-X series of instruments is a breakthrough in exceptionally low-cost, traceable, calibration-free, off-air frequency and time standards.

Providing low-distortion 10MHz sine and 1PPS outputs, these reference instruments maintain the high frequency and time accuracy required for demanding applications.

A hydrogen maser is used in production testing and quality assurance to ensure compliance with offset and stability specifications.

Among the features and benefits offered are:

- 1×10^{-12} accuracy
- No calibration
- No drift
- Traceable reference nationally and internationally
- High stability
- Very long production life and support: its predecessor, the Quartzlock 2A series, has been in production for more than 30 years.

Applications

Many versions of the E8-X are available, including PCB, low-noise, very low noise and a military specification model. Suggested applications include:

- calibration and referencing of: counters, frequency meters, spectrum and network analysers, synthesizers and communications analysers
- reference for: VHF, UHF and PMR transmission, CDMA Tetra, digital TV and DAB
- production test frequency standard
- network Time Protocol use in financial, utilities, security and communications applications.

The lowest-noise E8-Y model achieves -115 dBc/Hz at 1 Hz offset and better than -170dBc/Hz at 10 kHz.

A number of oscillator options are available to suit customer requirements.

Desktop versions are powered from a 12v DC source. Mains adaptor supplied (90 ~ 250v). A GPS antenna is also supplied.

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