

Complete Frequency Control Solutions

lowest cost to highest performance available to: control/calibrate/reference



- 6 outputs
- 10 MHz
- High isolation
- Low noise
- Accurate 10^{-11}
- Stable 10^{-12}



- 10 MHz
- + 8 dBm
- Low noise



- Accurate 10^{-13}
- Stable 10^{-12}
- 10 MHz
- 1 PPS
- RS-232



- Performance of A8-Y exceeds commercial Cs or passive Hydrogen maser for short or long term stability & phase noise.
- Accurate 10^{-13}
 - Stable $10^{-13} \dots 14$
 - Quiet -178 dBc/Hz

“Out of the box”, ready to use. PSU & RF leads.



A5-12 & A5-24

Distribution Amplifiers

wide band lowest noise

- 4....24 Outputs
- 1....100MHz<
- $1 \times 10^{-13} / \text{s}$
- $< 10 \text{ ps/C}$
- $-130 \text{ dBc/Hz @ 1Hz}$
- 130 dB isolation
- +6....+17dBm output
- 24V seamless BBU switch

Frequency & Phase Analysis

with stroboscopic, 'no dead time' phasemeter technology.
highest resolution, lowest noise level 50fs single shot, $5 \times 10^{-14} / \text{s}$

A7-MX

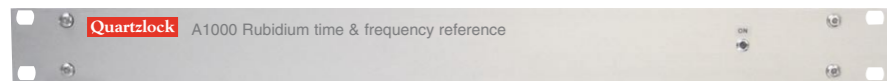


Allan Variance, Phase & Frequency Difference, very Close-in Phase Noise analysis of systematic phase variations & noise. internal-external reference options.

selectable measurement bandwidths filters, tau, error multiplier all selectable.

fully specified uncertainties input related sprii, input drift, temperature coefficient....all negligible but specified

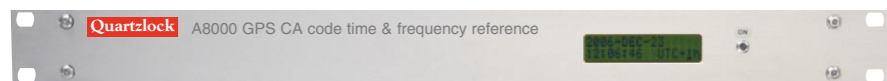
new 2007 economy '1U' line instruments



A1000 Rubidium instrument
Low phase noise • low drift • high stability



A5000 Distribution Amplifier
Up to 24 outputs from 1 or 2 inputs



A8000 GPS CA code time & freq. ref.
with RS232 i/o NMEA NTP, lock advice etc.
A4000 Redundant RF Switch Unit
For use with Rb and GPS references

Quartzlock can combine any of the above instruments into a single 1U unit to meet specified requirements.

Superior QA & QC, Quartzlock's H maser based laboratory is used in production test of all products.



A8-M & A8-MX

highest performance *GPS* T&F reference

100% carrier phase tracking, only from Quartzlock
x10⁻¹⁴ long & short term stability of 1PPS, 1MHz, 5MHz & 10MHz outputs



Contact us:

Telephone: +44(0)1803 862062

Fax: +44(0)1803 867962

e-mail: sales@quartzlock.com

Web: quartzlock.com

Local Representative

Frequency Reference your RF-Microwave Bench or System



spectrum analysers, network analysers, frequency counters, signal sources, microwave analysers, digital storage scopes. RF test solutions.

A10-X6 10 MHz Rubidium Reference

Quartzlock module & instrument solutions



Frequency & Phase Analyser
with stroboscopic, 'no dead time' phasemeter technology