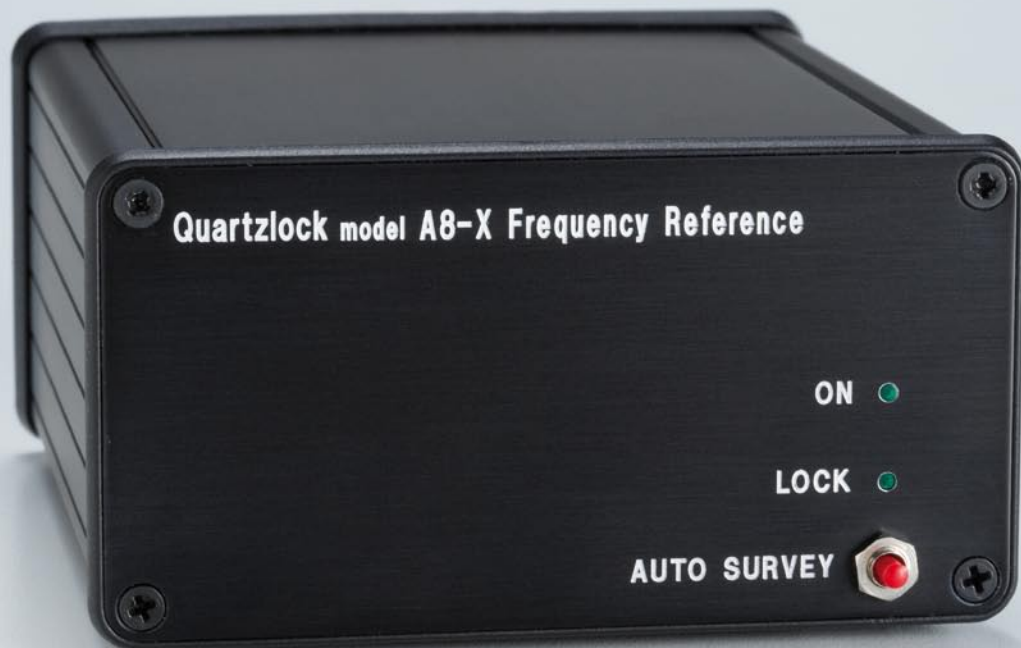


GPS Time & Frequency Standard



Description

The Quartzlock A8-X represents a break through in low cost traceable, calibration free “off air” frequency & time standards at very low cost while maintaining the high frequency & time accuracy required for demanding applications.

Features

- Low Phase Noise
- No Drift
- High Stability
- 2 Year Warranty

Applications:

- Calibration
- Reference for RF-Microwave instrumentation
- Production Test Frequency Standard

GPS Time & Frequency Standard

The Quartzlock A8-X represents a break through in low cost “off air” frequency & time standards at very low cost while maintaining the high frequency & time accuracy required for demanding applications.

Output A	10MHz sine 0.6V rms +6dBm into 50 Ohms
Output B	10MHz CMOS 3.5V-5V
Accuracy	$\times 10^{-13}$ Long term
Phase Noise (SSB)	-130 dBc (10Hz) -140 dBc (100Hz) -150 dBc (1KHz)
Short term stability	$2 \times 10^{-12}/1s$ $3 \times 10^{-12}/10s$ $3 \times 10^{-12}/100s$
Harmonics	-55 dBc
Output C 1PPS (300ns inhibit)	< 10ns 1sigma to UTC
Status Monitor	Auto survey flash mode & lock
Auto Survey	Press button if antenna moved
Operating Temp. Range	-20°C to +50°C
Storage Temperature	-40° to 70°C
MTBF	300,000 hours
RF Connectors	4 x BNC
Antenna & 11 metre cable	Provided

A8-Y has LCD display, “uP quiet” mode & DOCXO

RS232 (9 pin D) NTP	SCPI-99 Quartzlock Protocol
Power	11Vdc....14Vdc 5W (90Vac....240Vac) provided
Size	105 x 126 x 57mm
Weight	430g (15oz)
Warranty	1 year
White Paper	on application

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- Tracable Reference
- No Calibration Required
- To Calibrate: Counters, Frequency Meters, Synthesisers, Communication Analysers, Spectrum & Network Analysers
- Network Time Protocol Applications in Financial, Utilities & Security Timing
- Station Clock Driver



Contact us:

Telephone: +44(0)1803 862062

Fax: +44(0)1803 867962

e-mail: sales@quartzlock.com

Web: quartzlock.com