Diarcy Technologies

Low-Cost 10 MHz Frequency Standard, GPS Disciplined with Optional PPS Output

Providing Electronic Solutions for Today's Difficult Problems

Electronic Specifications

Frequency Output: 10.000000 MHz Frequency Accuracy: < 10 ppb (parts per billion), typ. Internal Oscillator: Stratum III OCXO Standard Output Power: 0 dBm ± 1 dB into 50Ω

Warm-Up Time: < 10 minutes Spurious Signals: > 50 dBc, 65 dBc, typ. Harmonics: > 50 dBc, 65 dBc, typ.

Description

The DS-1000 is a low-cost, highly-accurate 10MHz frequency source which can be used as a Calibration Standard, Laboratory Signal Generator, Synchronization Source, Cellular Base Station Reference, Phased-Locked Loop Reference Signal, and more.

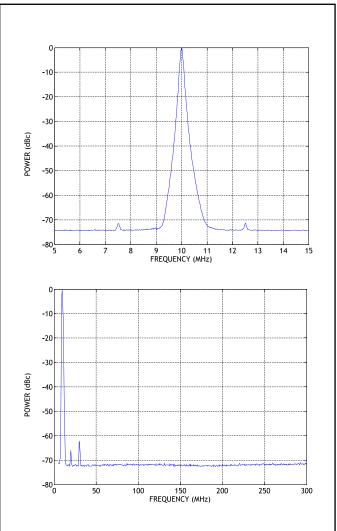
The DS-3000 adds a logic-level PPS output.

Accuracy is limited by GPS timing accuracies, typically resulting in better than 10 parts per billion (0.1Hz out of 10MHz). Visual indicators show GPS and unit status.

Custom Options

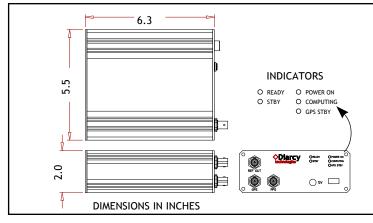
Standard Power Output: 0 dBm into 50Ω Available Power Output: -10 dBm to +10 dBm into 50Ω Multiple Outputs: 3 or 5 Rear Outputs. Other configurations available -- please call. Optional PPS Output: 3.3V or 5V logic-level at 24mA, min.

Typical Spectral Responses



DS-1000/DS-3000

Enclosure Outline & Physical Specifications



Power Supply: 11 to 14 VDC Supply Current: < 300 mA at 12 VDC (warm-up) Power Jack: 2.1mm/5.5mm DC Jack AC Power Adapter included

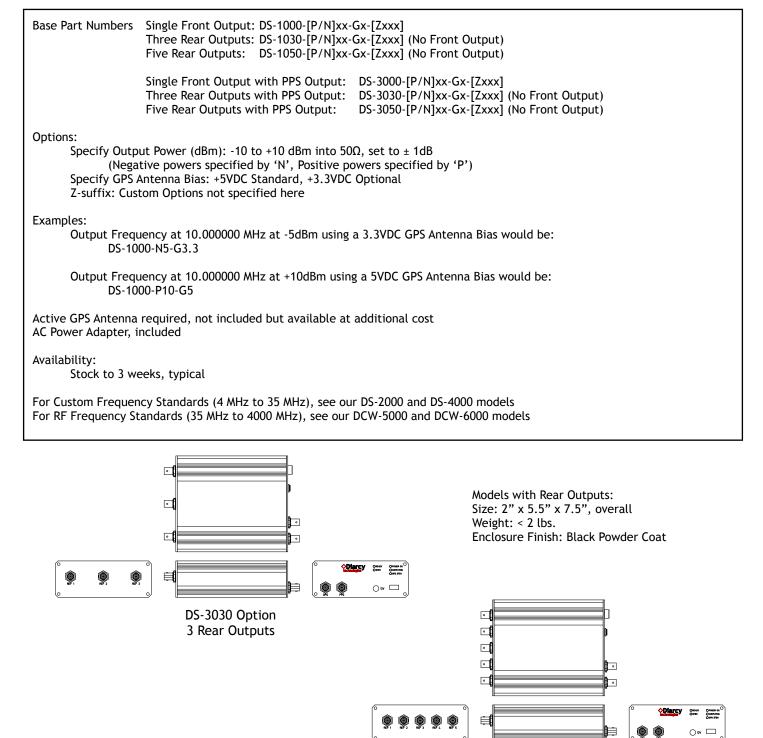
GPS Antenna Bias: 5 VDC at 120 mA, max. (3.3 VDC, opt.). GPS Active Antenna required (not included, but available) RF Connectors: BNC Jack (RF Output, PPS Output, GPS Input)

Size: 2" x 5.5" x 7", overall Weight: < 2 lbs. Enclosure Finish: Black Powder Coat

For ordering information, contact Diarcy Technologies D Austin, TX 78727 USA +1.512.238.6840 D Skype: diarcy.technologies D contact_us@diarcy.com D www.diarcy.com

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Ordering Information and Options



DS-3050 Option 5 Rear Outputs

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