

NTP100-GPS

FEATURES

- Compact NTP client / server
- Synchronizes to GPS satellites for Stratum 1 accuracy
- NTP output accuracy of ± 2 milliseconds
- 6-digit clock display (red)
- Adjustable time display brightness
- NMEA 0183 via RS232 or Ethernet

SPECIFICATIONS

Holdover Accuracy

- > Standard TCXO provides typical stability of ± 3 sec./year after 30 days of aging
- > With loss of power, device reverts to an internal battery-backed real-time clock chip with accuracy of ± 1 min/year or < 165 ms per day

Connectors

- > RJ45 - 10/100MB Ethernet
- > DC input - 2.1 mm male jack
- > RS-232 - 9 pin male
- > Antenna - SMA
- > USB for configuration

Physical Size

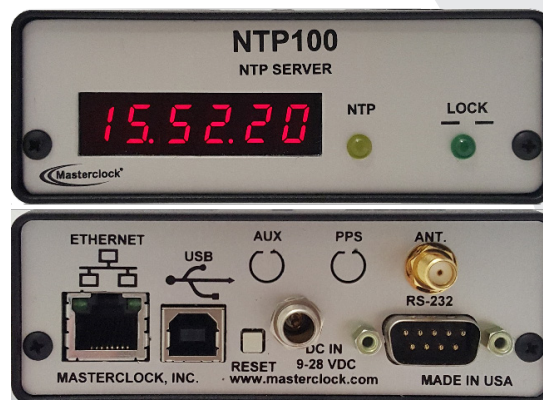
- > Size: 6.44 x 4.06 x 1.44 in (16.35 x 10.32 x 3.65 cm)
- > Weight: 16 oz (453.6 g)

Operating Parameters

- > Temperature: 0 to 60°C
- > Humidity: Up to 90% (non-condensing)

Options

- > GNSS options for GPS and GLONASS tracking
- > High stability OCXO option provides typical holdover stability of 1 ppb/day (± 250 ms/year) in case of GPS loss
- > 1PPS output



Network Compatibility

- > Supports NTP, DHCPv4, DHCPv6 for automatic acquisition of network address, name servers, and timeserver configuration
- > Telnet/SSH communication
- > IPv4/IPv6 compatible
- > SNMP with custom MIB

Configuration

- > Configure devices through provided WinDiscovery software or Telnet/SSH
- > Configuration is saved to nonvolatile memory and survives power losses
- > Authenticated network messages prevent unauthorized tampering of clock configuration

Power Supply

- > DC input (9-28 VDC)
- > Power consumption: < 7.5 W
- > Includes external 12 VDC wall mount power supply with locking DC plug

Compliance

- > FCC, ROHS, CE Marked, ANSI

Antenna

- > Weather-proof, pre-amplified antenna included with 16 ft (5 m) of coaxial cable
- > Optional antenna kit is available with antenna, 50 ft (15 m) cable and antenna mounting bracket

Rack mountable with RM4

