

NTP100-OSC

FEATURES

- Compact NTP client / server
- Internal precision TXCO accurate of ± 3 seconds/year
- Optional OCXO accurate of ± 250 ms/year
- NTP output accuracy of ± 2 milliseconds
- 6-digit clock display (red)
- Adjustable time display brightness

SPECIFICATIONS

Holdover Accuracy

- > ± 3 seconds/year using standard internal precision TXCO temperature-compensated crystal oscillator
- > High-stability option with OCXO provides typical stability of 1 ppb/day (± 250 ms/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
- > RS-232 - 9 pin male
- > USB for configuration

Physical Size

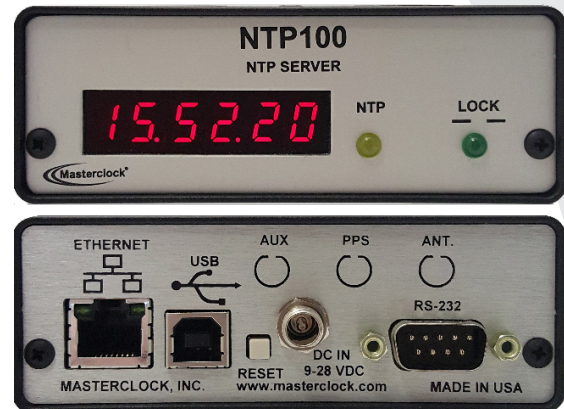
- > Size: 6.44 x 4.06 x 1.44 in (16.35 x 10.32 x 3.65 cm)
- > Weight: 16 oz (453.6 g)

Operating Parameters

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

Options

- > High stability OCXO option provides typical holdover stability of 1 ppb/day (± 250 ms/year)
- > 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 12VDC wall mount power supply with locking DC plug

Compliance

- > FCC, ROHS, CE Marked, ANSI

Rack mountable with RM4



Authorized Distributor

5-YEAR LIMITED PARTS & LABOR WARRANTY

MADE IN THE USA



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