# NTP100-OSC

## FEATURES

- Compact NTP client / server
- Internal precision TCXO accurate of $\pm$ 1 min/year
- Optional OCXO accurate of $\pm$ 250ms/year
- NTP output accuracy of $\pm$ 2 milliseconds
- 6-digit clock display (red)
- Adjustable time display brightness

## SPECIFICATIONS

### Holdover Accuracy
> Internal precision TCXO temperature-compensated crystal oscillator provides accuracy of $\pm$ 1min/year or $<$ 165 ms/day
> High-stability option with OCXO provides typical stability of 1 ppb/day ($\pm$ 250ms/year) after 30 days of aging

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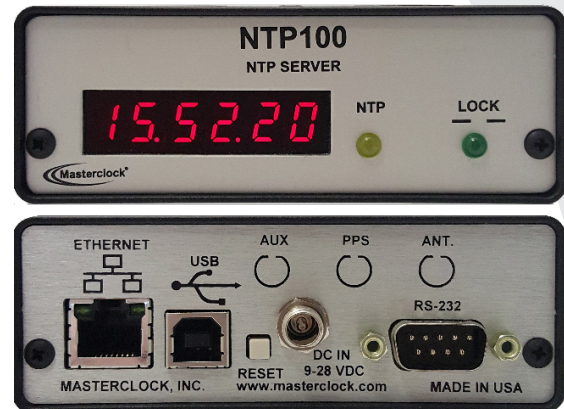> RS-232 - 9 pin male
> USB  for configuration

### 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 ($\pm$250ms/year)
> 1PPS output

### Network Compatability
> 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: $<$ 7.5W
> Includes external 24 VDC wall-mount power supply with locking DC plug (UL and CE listed)

### Compliance
> FCC, ROHS, CE Marked, ANSI

Rack mountable with RM4

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