

GPS CLOCK MODEL CG01-4



FEATURES & SPECIFICATIONS

- Automatic GPS sync Standalone master clock with RTC in built
- Microcontroller Based clock.
- Built-in RTC with battery backup for running clock smoothly without loss of memory in case of GPS signal failure
- Time Standard : 12/24 Hour mode FOUR digits (HH:MM)
- Display Device: 7 Segment FND 4" Color: Red, with long distance visibility
- Display Face: Single side display.
- Visibility: Up to 25 meter indoor visibility.
- Power Supply: inbuilt power supply to work directly on 230V AC. +/- 25%, 50 Cycle +/- 2 cycle.
- Adjust Control: Provision of Switches for Time Setting, hour/ minutes/ seconds manually
- Power Consumption: 20W.
- Temperature Range:-10°C to 55°C upto 95% Relative Humidity.
- Cabinet: Wall mounted, aluminum/MS sheet metal body with Powder coated black.
- The whole assembly has separate PCBs for display, microcontroller card, control circuit and GPS module.
- Material used for the printed circuit board (PCB) copper clad glass epoxy of grade FR-4.
- Conformal coating on PCBs.
- All relevant ICs and other components SMD type to ensure greater reliability.
- Display cover: Acrylic sheet (Red/ Brown)
- Toggle switch for IST & GMT/UTC mode.
- GPS Receiver:
 - Supports NMEA protocols.
 - Fully Compatible with SPS and accuracy should be better than 10 ms.
 - 1Hz update rate.
- GPS Antenna: Magnetic mounting or screw (fixed) mounting with micro-patch, active antenna powered from the receiver module itself as per site requirement, (3 meter or more RF cable)
- GPS Status indication LEDs
 - LED indicates GPS signal / sync status
 - LED indicates GPS antenna status
- Selection of time in IST/ GMT mode
- GPS accuracy: Standard GPS accuracy +/- 1 second
- RTC accuracy: In absence of GPS signal +/- 2 second per year standalone accuracy
- Battery backup for RTC Li-ion battery or equivalent
- Option for : Custom Corporate logo and title printed in Acrylic and pasted on PC
- Protections: Protection against power surge and power spike inbuilt
- Warranty: One year
- Comprehensive annual maintenance contract (CAMC) : Five years