

# MicroSystem Engineers

## GPS Clock

**MicroSystem Engineers (MSE)** is a strong pioneer involved in providing embedded solutions & high quality product/ services to the customers, employing a dedicated R&D shell for customized engineering.

MSE introduces its latest state-of-the-art Global Positioning system based Clock (GPS Clock). Our GPS clock is auto-synchronous with atomic clock accuracy & needn't be set or even program. They use GPS satellite signals to automatically configure themselves. Since, there is no charge for using GPS satellite signals, the clocks have zero maintenance costs and ensure a perpetually accurate time.

In Traditional Master-Slave configuration clocks, Master unit need to be monitored closely by staff for ensuring its accuracy. Also, slave clocks were periodically synchronized with master unit to maintain accurate timing. But, GPS clocks are absolutely maintenance free & ensure time accuracy from millionth of a second. Our GPS Clock comes with RTC & back-up battery to take care of any power outages and ensure a 24 X 7 accurate operation.

### Salient Features & Specifications

- Configure time after receiving & calibrating signals from at least 4 satellites & hence accurate to level of nano seconds
- RTC back-up available as redundancy, in case GPS signals are not available
- No limit to no. of Slave units configuration with single Master unit
- Wired as well as wireless interface option between Master unit & Slave unit
- Since, using GPS satellite signals are absolutely free, running cost is Nil
- Maintenance free, since no periodic re-configuration is required
- High-tech GPS antenna used with less than 1 VSWR for best performance
- Clock Time available in many formats like hr:min:sec (24 Hrs.) / hr:min:sec (AM/PM) / hr:min
- Date/ Month/ Year display on same screen available as optional
- Available in different sizes i.e. 2"/4"/6"/8" with either 7 Segment Module or Led based modules
- Option for time display of different user defined countries on single as well as specific display
- Integration is possible with moving message display as per user's requirement

### Area of Application

- Airports
- Railway Stations
- Large/ Small Scale Industries
- Government Sector Units / PSU's
- Educational Institutes
- Hospitals
- Shopping Malls
- Exhibition Halls
- Defense Sites
- Super Markets
- Control Rooms

Accurate time being a very precious base for managing working & operation of every Individual / Group / Industry, GPS clock will play a very important role in organizing the globe.