



# M210 Modular Time & Frequency System

The M210 Modular Time & Frequency System is a highly flexible timing system designed for use in any applications where reliable time information is required, especially to synchronise different output interfaces.



See also: M211 High Capacity Modular Time & Frequency System which has 9 module slots for even greater capacity



## Features

- 3-slot module output capacity
- Choice of clock synchronisation options
- Choice of master clock accuracy
- Large range of output options
- 1 U high standard 19" rack mount
- 5-segment front panel button for equipment configuration and control
- Large alphanumeric display of time, date and status
- Equipment configuration stored in non-volatile memory

## Input Synchronisation Options

- Satellite (GPS)
- Analogue timecode, e.g. IRIG-B, AFNOR NFS-87500
- Terrestrial Low Frequency (MSF, DCF77, WWVB, etc)

## Master Clock (Oscillator) Options

- Standard crystal
- Oven controlled crystal
- Commercial grade Rubidium
- Industrial grade Rubidium
- Industrial grade Caesium
- Military grade Caesium Satellite (GPS, GLONASS or BEIDOU) via NFS-87500

## Output Options

- Serial data outputs (RS232, RS422, 20mA Current Loop)
- Parallel BCD output
- Time code outputs (IRIG, etc)
- Analogue clock impulse drives.



# M210 Specifications

## Performance Specification at 20°C

**Time Accuracy:** Standard crystal oscillator maintains free run accuracy of 20 milliseconds over 4 hours at 20°C.

**Display:** 2 row by 40 character LCD. Character height 5mm.

**Keyboard:** 5-segment button keypad for equipment configuration and control. Storage of equipment configuration in non-volatile memory.

**Power:** 90-260V AC  $\pm$  10% 50-60Hz Load 40W (typical)- subject to options and oscillator fitted. Connection via 3 pin IEC plug.

**Mechanical:** 19 inch rack mounting 1U high 305mm deep.

The chassis has provision for up to 3 option modules to be fitted within the unit

We have an extensive range of modules - please ask our Sales Team for details

## Environment (Operation and Storage)

**Temperature:** 0°C to +40°C

**Humidity:** Up to 95% RH (non-condensing)

**EMC:** CE Compliant

As we are always seeking to improve our products, the information in this document only provides general indications of product capability, suitability and performance, none of which shall form any part of any contract.