



# 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

- Lorem (ipsum)
- 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:	EN61000-6-3:2007 + A1:2011 EN61000-6-2:2005 EN50121-4:2016 + A1:2019

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