

M210 Modular Timing System

The M210 is a highly flexible timing system designed for use in any applications where reliable time information is required. It is ideal where synchronisation of different output interfaces is required.



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

Main Options

Synchronisation source:

- Satellite (GPS)
- Terrestrial Low Frequency (MSF, DCF77, WWVB, etc)
- Timecode (IRIG, AFNOR, etc)

Master clock (in order of accuracy):

- Standard crystal
- Oven controlled crystal
- Commercial grade Rubidium
- Industrial grade Rubidium
- Industrial grade Caesium
- Military grade Caesium

Output:

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

N.B. We have over 60 individual modules or use with the M210, and we are continually developing new ones. Please contact us for an up-to-date list.

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 24 character LCD. Character height 5mm.
Keyboard:	5 button keyboard 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.

Environment (Operation and Storage)

Temperature:	0°C to +40°C
Humidity:	Up to 95% RH (non-condensing)
EMC:	CE Compliant

N.B. This system has 3 module slots. If you require more, then please see the M211 Modular Timing System, which has a 9-module slot capacity for even greater flexibility.

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.

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