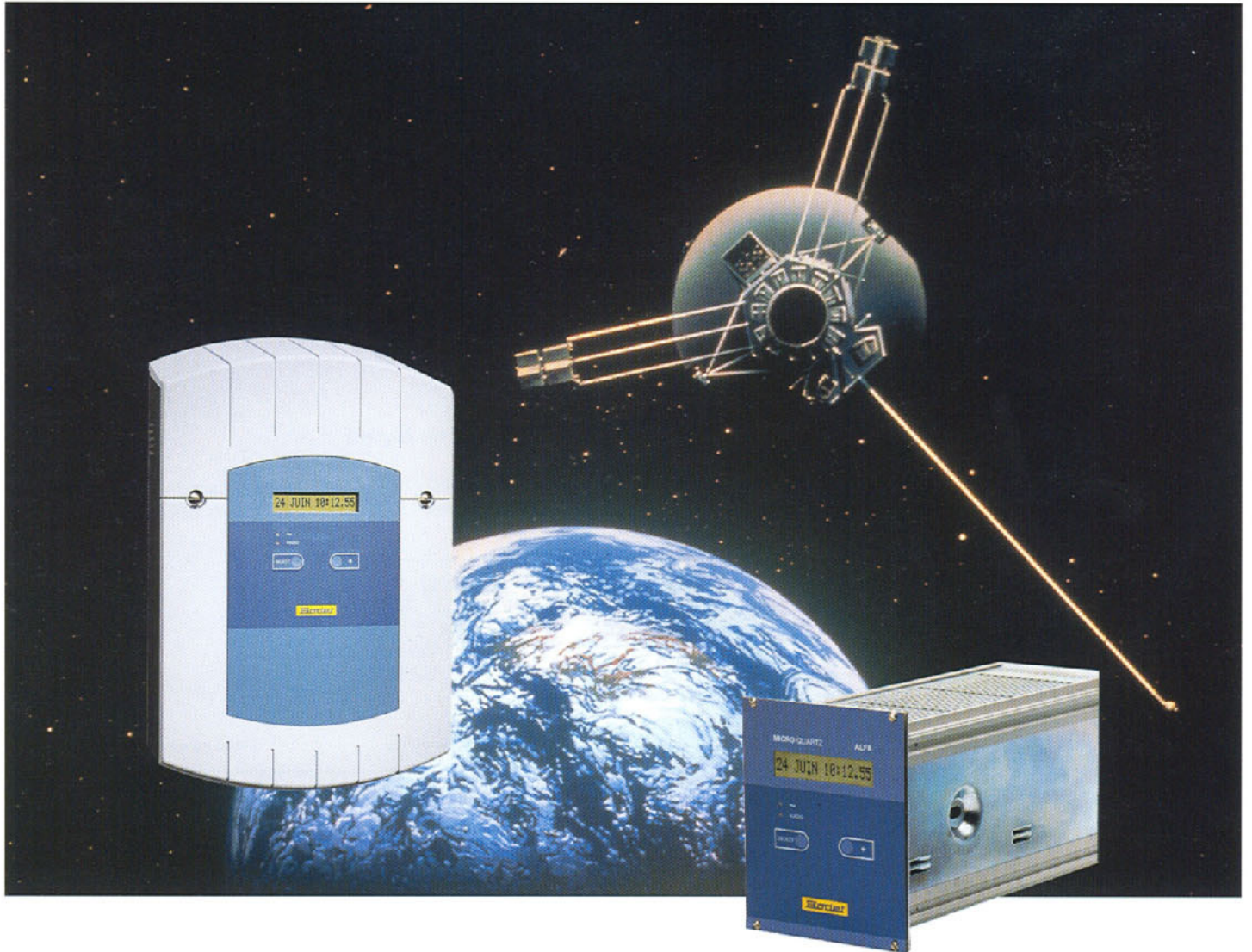


Mic GPS



GPS time receiver

Clock network control by satellite

2000
1999 2001
Certifié an 2000
Year 2000 certified

Bodet

Mic GPS time receiver

The Mic GPS is a receiver enabling the synchronisation of clock networks by means of the GPS satellite system.

The Mic GPS receives the GPS time signal (GMT time) by means of a GPS antenna installed outdoor in open air and is connected to it by a 2 pair telephone cable.

It converts the GMT time signal from GPS into a "local time" signal form FI/DCF or IRIGB/AFNOR and synchronises master or slave clocks.

The Mic GPS enables the radio-synchronisation of clocks all over the world with automatic summer/winter time changeovers. It is also recommended in case of difficult France-Inter/DCF reception due to radio-electrical interferences, mountainous areas, ...

The Mic GPS is available in 2 versions : Wall or Rack.

Features :

- Wall mounted ABS casing or 19" rack (1/4 width - 3 U high)
- LCD display : local time, GMT time, reception status.
- Power-on and France-Inter/DCF LED pilot dots
- Power supply : 230V 50/60Hz
- Operating temperature :
 - *Mic GPS : - 15 to + 50° C : indoor installation
 - *GPS antenna : - 15 to + 65° C : outdoor installation

Technical features :

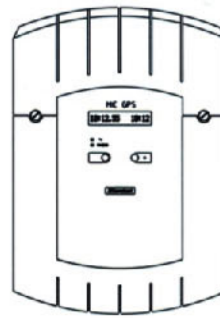
- Synchronisation through GPS antenna (RS 422)
- Local time emission : FI/DCF signal, current loop 0 - 20 mA for driving master clocks or IRIGB/AFNOR 0dB/600 Ohms signal for driving AFNOR clock networks.
- Time zone and summer/winter time changeover setting : the changeover algorithm must be entered according to the country.
- Internal quartz time base 11 Mhz - Accuracy : 0,2 sec/day without GPS signal.
- Trimmer for automatic correction of the time base through the GPS signal in order to compensate quartz ageing or temperature variations.
- Long term accuracy : +/- 50 ms compared to GMT time.

Available models :

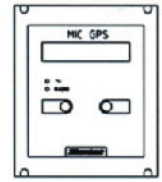
- Ref. 907050 : Mic GPS, FI/DCF output, wall mounted
- Ref. 907051 : Mic GPS, FI/DCF output, rack
- Ref. 907055 : Mic GPS, FI/DCF + AFNOR outputs, wall mounted
- Ref. 907056 : Mic GPS, FI/DCF + AFNOR outputs, rack

Applicable norms :

- * Product complying with the European standards : EN 50081-1, EN 50082-1 and security norm EN 60950.
- * GPS reception according to NMEA norm 183
- * Local time emission according to standard FI/DCF (Norm NFC 90002)
- * Local time emission according to AFNOR NFS 87-500A norm

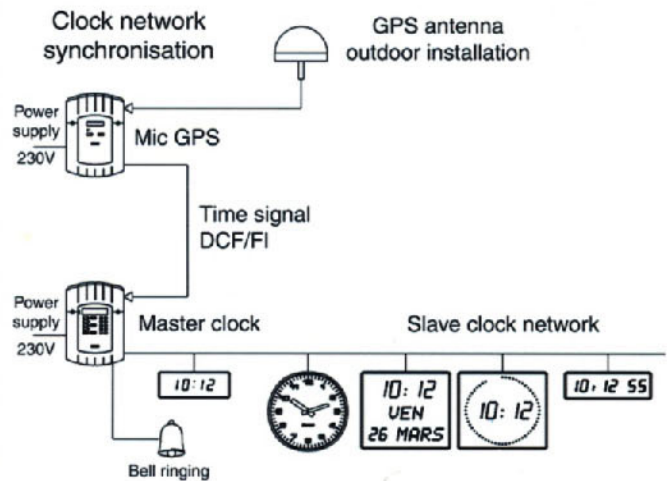


Wall mounted version

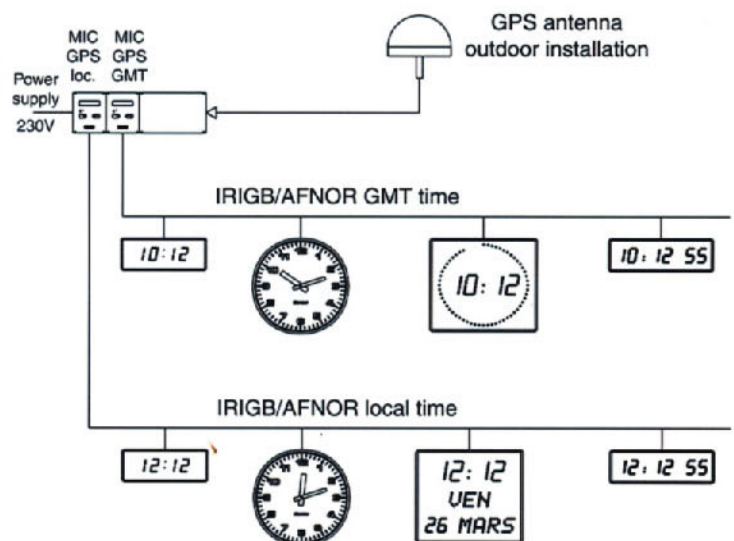


Rack version

Installation layout



Driving of an IRIGB/AFNOR clock network GMT time + local time (vessels)



Because of the continuous development of Bodet equipment, details of the products described in this publication are subject to change, without notice.



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