

RADIO TIMING® BGPS



The generator RTB GPS® is a receiver of GPS satellite system (Global Positioning System) delivering the time information in AFNOR NFS 87-500 / IRIGB AC code with an high accuracy on long distances with a single telephone pair.

Internal time base

- XO Quartz:
Frequency stability 2.10^{-6} (20°C to 30°C).
Ageing $1.5.10^{-8}$ / day

Specifications

Power supply available	230 VAC or 115 VAC Or 18-72 VDC
Certifications	CE, EN 62368 (safety), ROHS
Maximum consumption	20 VA
IP	66
MTBF	90 000 h
MTTR	Mother board: 10 min
Weight	0.9 Kg
Dimensions	76 x 180 x 130 mm (LxHxD)
Display	LED dans boitier
Operating temperature	-20° to 70°C
Storage temperature	-20° to 80°C

Key features

- GPS receiver AFNOR NFS 87500 / IRIGB modulated output carrier 1KHz level 2.2V galvanic isolation by transformer
- Distance between GPS antenna and the RTB GPS up to 50m depending on the version
- Several kilometers of distance between the RTB GPS and the master clock up to 40 km on a simple phone pair
- Accuracy: 20 μ s
- Protection filter, against over voltage and industrial noise
- IP 66 case
- Tropicalized product

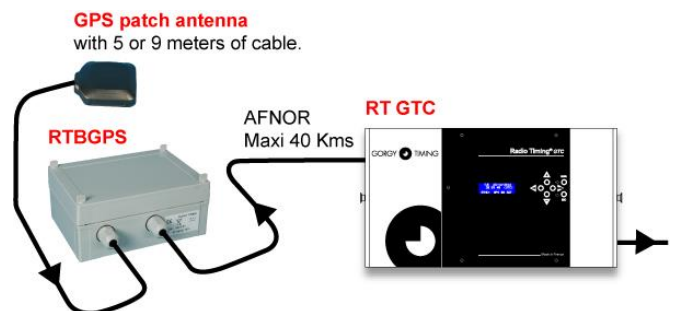
Configuration

Time zone programming of delivered IRIG B or AFNOR NFS87500 code

Synchronization input

- GPS integrated antenna
- GPS patch antenna with 5 or 9 meters of cable (cable included).
- GPS antenna with 25 or 50 meters of cable (antenna not included).

Example of cabling:



RADIO TIMING® GPS

		ITEM CODE			
		404			
		↑	↑	↑	
VERSION					
Standard: AFNOR NFS 87500 (IRIG B) output <input type="checkbox"/>		8			
POWER SUPPLY					
Standard: 230VAC/50-60Hz <input type="checkbox"/>		0			
115VAC/50-60Hz <input type="checkbox"/>		1			
18 to 72 VDC <input type="checkbox"/>		9			
(1) ANTENNA OPTION					
Standard: integrated GPS Antenna <input type="checkbox"/>		0			
Patch Antenna with 5m cable <input type="checkbox"/>		P			
Patch Antenna with 9m cable (5m + 4m extension) <input type="checkbox"/>		N			
Active GPS antenna 35 dB <input type="checkbox"/>		G			

(1) GPS antenna and cable to be ordered separately

		92225									
		↑	↑	↑	↑	↑	↑	↑	↑	↑	
ACTIVE GPS ANTENNA 35dB											
ACTIVE GPS ANTENNA 35dB 3V <input type="checkbox"/>		G									
Cable Type (LSZH*)											
LMR 240 Cable (25m and 50 m cable) <input type="checkbox"/>		3									
LMR 400 cable <input type="checkbox"/>		4									
*Low smoke, no halogen.											
Number of cable											
1 cable <input type="checkbox"/>		1									
Cable length											
25 m <input type="checkbox"/>					25	00					
50 m <input type="checkbox"/>					50	00					
80 m <input type="checkbox"/>					80	00					
OPTIONS											
Surge arrester (+ 1m cable) <input type="checkbox"/>										P	
Line amplifier <input type="checkbox"/>										A	