

RADIO TIMING® 9s



RT9s master clock ensures synchronization of clocks and computer network.

NTP Time Server.
Configuration and supervision via Ethernet network.

Features

- **Automatic time setting** upon mains connection according to synchronization source .
- Pre-programmed daylight saving time.

Supervision

Communication on Ethernet, easy configuration via WEB pages (IHM user friendly).

Integrated supervision via SNMP V2.c protocol.

Security

Memorization of time information by lithium battery.
Backup configuration settings in flash memory.

Specifications

Power Supply	230 VAC/50-60Hz 115 VAC/50-60Hz 48 VDC
Certifications	CE, EN 60950 (security), EN 55022 (CEM emission), EN 55024 (CEM immunity), ROHS
Maximal consumption	35 VA
IP	30 IK9
MTBF	47 330 h.
MTTR	Mother board : 10 min. Display board : 5 min. Power board : 5 min. Output board : 5 min.
Weight	Rack 19" 1U : 2,5 Kg
Dimension	Rack 19" 1U : 482 x 44 x 266 mm (LxHxP)
Display	LCD graphics 4 lines 20 backlit characters blue
Operating temperature	-10° to 50° C
Storage temperature	-20° to 70° C

Key features

Remote configuration and **time setting via Ethernet**.

- **Supervision via HTTP, SNMP, Telnet**. "GT Network Manager" Windows® NT/XP/2000/2003/Vista(32 bits)/Windows 7.
- **TCXO oscillator** temperature compensated quartz.
- Accuracy of time base about 0.1 sec / day from **0° to 40°C**.
- Lithium battery : **10 years saving information**, time and date.
- Security of the programs provided by the flash memory storage.
- Rack 19" 1U.

Synchronization inputs

- **Synchronization via** :
 - DCF (Europe).
 - GPS antenna without power supply up to 100m on a single telephone pair (via a GPS/DCF converter).
 - AFNOR NFS 87500 (IRIG B).
 - NTP on Ethernet 10/100BaseT(RJ45 connector).

Synchronization outputs

- AFNOR NFS 87500/IRIG B 1000Hz Time code output. Millisecond accuracy. (can drive up to 250 units of GORGY TIMING clocks.)
- NTP : Network Time Protocol RFC 1305. Millisecond accuracy. (can drive up to 500 units of GORGY TIMING clocks)..



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		ITEM CODE						
		4570	/				0	
			↑	↑	↑		↑	
CASE								
Rack	<input checked="" type="checkbox"/>	3						
VERSION								
DCF radiosynchronization. Antenna + 4m cable	<input checked="" type="checkbox"/>		D					
AFNOR NFS 87500 (IRIG B) synchronization 1kHz modulated	<input checked="" type="checkbox"/>		8					
GPS synchronization (antenna + 10m cable) *	<input checked="" type="checkbox"/>		G					
NTP Ethernet 10/100 base T synchronization	<input type="checkbox"/>		N					
POWER SUPPLY								
Standard : 230VAC/50-60Hz	<input type="checkbox"/>		0					
115VAC/50-60Hz	<input checked="" type="checkbox"/>		1					
TBT 48 VDC power supply	<input checked="" type="checkbox"/>		6					
OPTIONS								
NTP/SNTP output	<input type="checkbox"/>						N	
AFNOR NFS 87500 (IRIG B) output	<input checked="" type="checkbox"/>						8	
Specification	<input checked="" type="checkbox"/>						S	

(*)GPS antenna extension cable: add an extra line in the order-prices available in data base « Spare parts » 25m/ 50m/ 80m.

OPTION : CONFIGURATION

Configuration of network settings, time outputs.

Ability to configure and program the equipment in the factory according to the customer information. In that case, add an extra line in the order.