HANDI® 450 DOUBLE FACE

Analog clock HANDI® Double face
Aluminium case
Distance of legibility: 35m

2 YEARS WARRANTY

Time setting

The professional HANDI ® clocks can display the same information, by synchronizing through a master clock or a time server.
On pulse version, the time setting is manual

Internal time base

HANDI® has its own **temperature compensated TCXO time** base which allows an accuracy about 0.2 sec / day between 0° to 40°C in case of synchronization loss.

Specifications

Power supply (depending on versions)	230VAC or 110-240VAC 12-24VDC PoE (Power Over Ethernet - IEEE802.3af)*
Certifications	CE, EN 62368, EN 55032, EN 55035, ROHS
IP	IP 40 standard
MTBF	85 000 h
MTTR	15 min
Operating temperature	Without illumination: 0 to +50°C With illumination: -10°C to +50°C
Weight	4.9 kg
Dimensions	Diameter: 441 mm Thickness: 163 mm

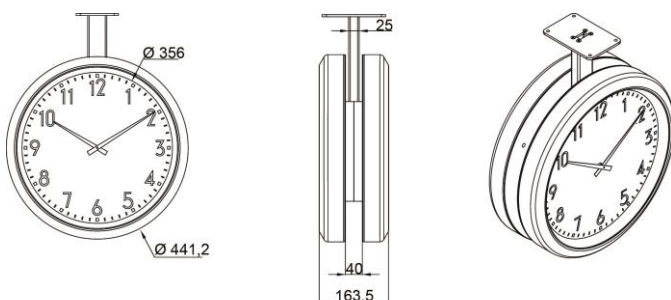*Cable length available 0.80m

Storage conditions

Conditions	Temperature	Hygrometry	Maximum cumulative duration
Extreme	-20°C to 10°C	10 to 85% HR	48h
Extreme	40°C to 70°C	10 to 85% HR	48h
Normal	10°C to 40°C	10 to 85% HR	6 months

The product must be lit for 4 hours every 3 months to keep its characteristics
. see the user manual for more information

Standard Dial

- Arabic figures screen printed in black
- Black lacquered hands
- Trade mark and logo GORGY TIMING screen printed on the dial

Ø 356
Ø 441,2
25
40
163,5

Key features

- **Fast but approximate reading of time +/- 0.5 index**
- Flat aluminium case
- Acrylic front cover (Polymethyl methacrylate)
- Ceiling mounting with bracket or flag
- Time setting by synchronization source
- LED illumination in option
- For indoor use

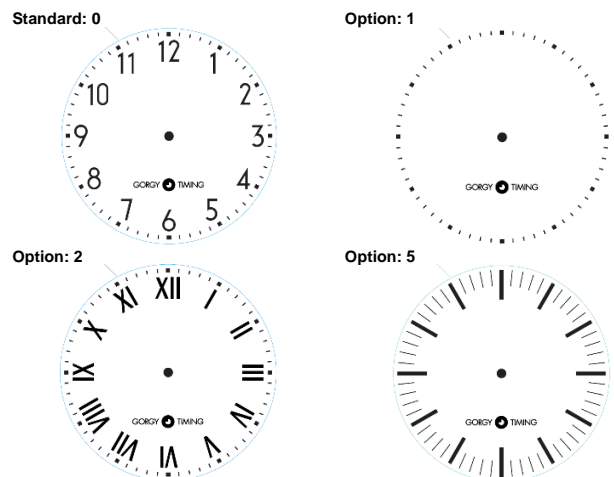## Remote management (on NTP version)

- Synchronisation up to 3 NTP servers
- Time zone selection and automatic summer/winter time change
- Supervision by SNMP v1, v2c
- Accessible configurations by HTTP and/or HTTP(s)
- IPv4 protocol compatibility

Synchronisation input

- AFNOR NFS 87500/IRIG B126
- NTP/SNTP (v2, v3, v4) - Ethernet 10/100 base T
- NTP Wi-Fi (IEEE 802.11 a/b/g/n standards 2.4 Ghz)
- ASCII: RS 485
- DCF 24VDC (synchro: DCF code + power: 24V in pair telecom cable)
- Pulse version*: parallel reversed minute receiver 24V

*No internal time base

Dial design

Standard: 0

Option: 1

Option: 2

Option: 5

HANDI® 450 - DOUBLE FACE

		ITEM CODE					

		H	7	4	2	/	4						
VERSION								↑	↑	↑	↑	↑	↑
Minute 24V/6mA slave movement (without second sweep hand)	☐						3						
AFNOR NFS 87500 (230VAC power supply)	▣						9						
AFNOR NFS 87500 (12-24 VDC power supply)	▣						7						
(1)ASCII RS 485* (230VAC power supply)	▣						Q						
NTP Ethernet 10/100BaseT Synchronization (110-240VAC power supply)	▣						N						
NTP Ethernet 10/100BaseT Synchronization (Power Over Ethernet)	▣						P						
NTP Wi-Fi Synchronization (IEEE 802.11 a/b/g/n standards 2.4 Ghz) (110-240VAC power supply)	❖						W						
DCF 24VDC Synchronization (DCF Code + power 24V in pair telecom cable)	▣						B						
MOUNTING													
Anodized grey - Celling bracket or flag mounting bracket	☐							P					
Specificity (on request)								✕					
COLOUR CASING													
Anodized grey aluminium	☐								7				
Anodized grey aluminium with LED illumination	☐								H				
(2)Specific RAL coulour (on request)									✕				
DIAL DESIGN													
White dial, arabic figures 1 to 12, small indexes	☐									0			
(3)Dial following design in data sheet	☐												
(3)Specific dial (on request)										✕			
SWEEP SECONDS HAND OPTION													
Without sweep seconds hand											0		
(4)Black sweep seconds hand	☐										N		
(4)Red sweep seconds hand	☐										G		
OPTION													
(5)Synchronization loss Led alarm AFNOR in front face	☐												A

(1) 9600 bauds 8 bits without parity
(2) Quantity min. 10 units
(3) Quantity min. 5 units
(4) Sweep seconds hand not available in pulse version
(5) Only for AFNOR NFS 87500 versions (version 7 or 9)