HANDI® 450
SIMPLE FACE

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

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	40 standard
MTBF	85 000 h
MTTR	15 min
Weight	2,2 Kg
Operating temperature	0 to +50°C
Dimensions	Diameter : 441 mm Thickness : 62 mm

**Cable length available 0.80m*

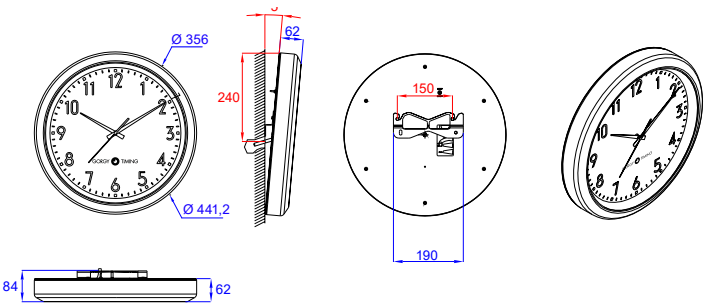
Storage conditions

Conditions	Temperature	Hygrometry	Maximum cumulative duration
Extreme	-20°C to 0°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 switched on for 4 hours every 3 months to maintain its characteristics.
See user guide 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



Key features

- Fast but approximate reading of time +/- 0.5 index
- Flat aluminium case
- Acrylic front cover (Polymethyl methacrylate)
- Wall mounting or 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

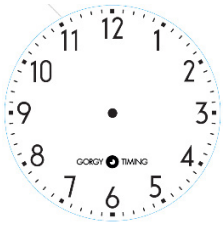
Synchronisation input

- 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*

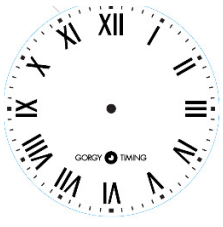
Dial design

Standard : 0



Option : 1

Option : 2



Option : 5

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HANDI® 450
SINGLE FACE

		ITEM CODE							
		H7404							
VERSION		↑	↑	↑	↑	↑	↑		
Minute 24V/6mA slave movement (without second sweep hand)	☐	3							
AFNOR NFS 87500 (230 VAC 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									
Wall (bracket included)	☐		M						
Anodized grey - Celling bracket or flag mounting bracket	☐		P						
Specificity (on request)			X						
COLOUR CASING									
Anodized grey aluminium	☐			7					
Anodized grey aluminiumWith illumination LED	☐			H					
[2]Specific RAL coulour (on request)				X					
Dial design									
White dial, arabic figures 1 to 12, small indexes	☐				0				
[3]Dial following design in data sheet	▣								
[3]Specific dial (on request)					X				
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)

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