



HANDI® 450 DOUBLE FACE WATERPROOF

Analog clock HANDI® Double 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.

Specification

| | |
|------------------------------|-----------------------------------------------------------------------------------|
| Power supply | 230VAC POE (Power Over Ethernet)* |
| Certification | CE, EN 60950, EN 55022, EN 55024 |
| IP | IP54 |
| MTBF | 85 000 hrs |
| MTTR | 15 min |
| Operating temperature | Without lighting : -20° to +50°C With lighting : -30° to +50°C |
| Weight | 4.9 kg |
| Dimension | Diameter 441.2 mm Thickness : 163.5 mm Bracket supports : see schemas below |

*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 |
| Normales | 10°C to 40°C | 10 to 85% HR | 6 month |

The product must be lit for 4 hours every 3 months to keep its characteristics*.

* see the user manual for more information

Display

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

Key features

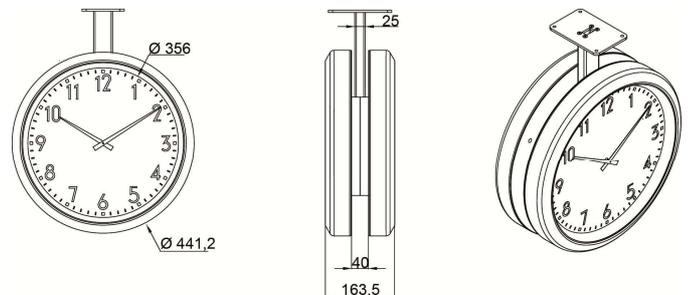
- Fast but approximate reading of time.
- Flat aluminium case.
- Acrylic front cover (Polymethyl methacrylate).
- Wall mounting or ceiling mounting with bracket or flag.
- Time setting by synchronization source.
- Can be used outdoor.
- LED lightning.

Remote management (on NTP version)

Configuration and remote setting via a WEB interface. Choice of time zone and automatic summer / winter time change. Supervision via HTTP(S), SNMP, SYSLOG, SSH. "GT Network Manager" (Windows® NT / XP / 2000 / Vista 32-bit / Windows 7 software). Internal log stokage and SYSLOG export. Compatible with GTNetConfig batch configuration software (CDG027).

Synchronization inputs

- **Standalone quartz time base synchronizable :**
 - AFNOR NFS 87500/IRIG B
 - NTP/SNTP (v2, v3, v4) - Ethernet 10/100 base T
 - Wi-Fi (IEEE 802.11 B/G/N standard).
 - ASCII : RS 485
- **Pulses version :** parallel reversed minute receiver 24V.



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| | | ITEM CODE | | | | | | | | |
|--------------------------------------------------------------------------------------------------|-------------------------------------|-----------|---|---|---|-------|---|---|---|---|
| | | H | 7 | 4 | 2 | W / 4 | | | | |
| | | | | | | | ↑ | ↑ | ↑ | ↑ |
| VERSION | | | | | | | | | | |
| Minute 24V/6mA slave movement (without second sweep hand) | <input type="checkbox"/> | | | | | | 3 | | | |
| AFNOR NFS 87500 (230VAC power supply) | <input checked="" type="checkbox"/> | | | | | | 9 | | | |
| AFNOR NFS 87500 (12-24 VDC power supply) | <input checked="" type="checkbox"/> | | | | | | 7 | | | |
| ASCII RS 485* (230VAC power supply) | <input checked="" type="checkbox"/> | | | | | | Q | | | |
| ASCII RS 485* Polaris (230VAC power supply) <small>* 9600 bauds 8 bits without parity</small> | <input checked="" type="checkbox"/> | | | | | | A | | | |
| NTP Ethernet 10/100BaseT Synchronization (230VAC power supply) | <input checked="" type="checkbox"/> | | | | | | N | | | |
| NTP Ethernet 10/100BaseT Synchronization (Power Over Ethernet) | <input checked="" type="checkbox"/> | | | | | | P | | | |
| Wi-Fi (IEEE 802.11 B/G/N standard) 230VAC power supply | <input checked="" type="checkbox"/> | | | | | | W | | | |
| COLOR OF CASE | | | | | | | | | | |
| Aluminium grey | <input type="checkbox"/> | | | | | | | 7 | | |
| Aluminium grey with LED lighting | <input type="checkbox"/> | | | | | | | H | | |
| Specificity RAL (on request) | | | | | | | | S | | |
| BRACKET SUPPORT | | | | | | | | | | |
| Ceiling bracket or Side mounting bracket in grey | <input type="checkbox"/> | | | | | | | | P | |
| Specificity (on request) | | | | | | | | | S | |
| OPTION | | | | | | | | | | |
| Hand for seconds (except for impulse version) | <input checked="" type="checkbox"/> | | | | | | | | | S |
| Alarm management ASCII (Version ASCII Polaris) | On request | | | | | | | | | B |
| Specification (on customer request) | <input checked="" type="checkbox"/> | | | | | | | | | 0 |
| Alarm management ASCII (Version ASCII Polaris) | On request | | | | | | | | | P |