

Analog Clocks for In-Wall Mounting

with digital stopwatch display, ideal for surgical operating rooms



Indoor
analog/digital
flush-mounted

Type series
480



73.480.310 for flush mounting in conventional brick walls shown

These analog clocks with LED digital stopwatch display with stainless steel V4A cases were designed with the surgical operating room in mind. Mounted in-wall, flush with the surface, these reliable and accurate clocks meet all hygienic standards. Also suitable for all other demanding environments such as the pharmaceutical, beverage and food industries.

Stainless steel V4A

Due to its components stainless steel V4A is not only completely impervious to detergents and disinfectants but also to acids and other aggressive media.

The flush-mounted clocks of this type series are therefore particularly suited for the use surgical operating rooms and other clean rooms.



73.480.320



91.480.331

Version with stainless steel spring-clips for mounting in stud-and-panel walls



02.498.101



02.498.102

For operating the stopwatch mode of the LED digital display we provide different remote control units in stainless steel cases. For a detailed product description please see page 66.

Case

■ cir. 301 x 387 mm
very high grade stainless steel case (1.4571 X6CrNiMoTi 17-12-2, German trade name V4A), for mounting flush with wall tiles or plaster. Visible surface with a matted finish, resistant to acids, detergents and disinfectants. In mounted condition protected against dust and moisture to IP 54 (EN 60 529).

Mounting

For flush **in-wall-mounting** we offer the following designs:

- with mounting frame, aluminium frame for mounting in conventional brick walls included in delivery shipment
- for stud-and-panel walls, stainless steel spring-clip device for flush mounting included

Optionally, at a surcharge, the clock can also be supplied with a V4A stainless steel case for **on-wall mounting**.

Front glass

Flat mineral glass, 3 mm. Glass on digital display is treated for low reflectivity. On analog face, low reflective glass is available as an option.

Face

High distinction white metal with black Arabic numerals, black DIN bar markings or black fine-line markings. Face printed according to DIN 41 091.

Hands

Black bar-type hour and minute hands, red second hand.

No second hands on minute pulse 12... 60 V controlled slave clocks.

LED digital display

6-digit 7-segment LED bars, digit colour red (option: amber or green). Digit height 25 mm. Automatic brightness control. Power supply is 230 VAC mains as standard, 12 V DC (option). Power loss reserve: Time telegram/pulse storage to cover cir. 100 hours.

Stopwatch mode

The 6-digit display will show hours, minutes and seconds, counting up from start. The stopwatch system is controlled by a remote control unit (as an extra), for technical data see page 4.

Mounting dimensions	with mounting frame	for stud-and-panel walls
clock case (width x height)	cir. 301 x 387 mm	cir. 301 x 387 mm
wall breakout (width x height)	cir. 301 x 387 mm	cir. 282 x 362 mm
depth	cir. 81 mm	cir. 78 mm

Technical data		
Analog face	print diameter	cir. 235 mm
	face dimensions	cir. 270 x 270 mm
Digit height	digital display	25 mm
Electrical values	operating voltage for digital display	230 VAC
	optional operating voltage for digital display	12 VDC
	power consumption LED display	cir. 9 VA

Clock type	Item No.	€ each
DCF77 radio controlled clock, mains operated 230 VAC ¹⁾	52.480.	1,770.-
Slave clock, minute pulse 12...60 V	71.480.	1,535.-
Slave clock, minute/second pulse 12/24 V	72.480.	1,786.-
Slave clock, minute/second pulse 12/24 V, extra low noise motion	73.480.	1,909.-
Slave clock, minute pulse 12/24 V, synchronous second hand 230 VAC/50 Hz	74.480.	1,955.-
Slave clock, second pulse 12/24 V, with creeping minute hand	75.480.	1,930.-
Telegram slave clock, DCFport24, 12/24 V	81.480.	1,550.-
RC telegram slave clock, AirPort24, mains operated 230 VAC, with outage reserve	85.480.	1,759.-
NTP system clock (NTP client), synchronisation by LAN, PoE ²⁾	91.480.	1,707.-

Face print	Mounting	
Arabic numerals	with mounting frame	310
	for stud-and-panel walls	311
	for on-wall mounting	312 +340.-
DIN bar markings	with mounting frame	320
	for stud-and-panel walls	321
	for on-wall mounting	322 +340.-
Fine-line markings	with mounting frame	330
	for stud-and-panel walls	331
	for on-wall mounting	332 +340.-

Accessories	Item No.	€ each
Remote control with mounting frame for in-wall mounting, stainless steel V4A	02.498.100	795.-
Remote control for stud-and-panel wall mounting by means of spring clip attachment device, stainless steel V4A (no mounting frame required)	02.498.101	795.-
Hand-held remote control, stainless steel V4A	02.498.102	795.-

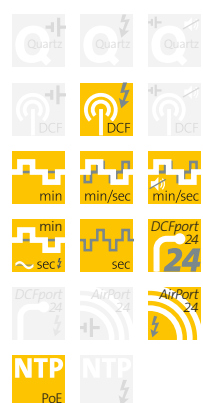
Options	Suffix	Surcharge € each
Front glass of analog clock treated for low reflectivity	-49	49.-
Mains adapter 12 V DC for LED digital display	-70	none
Amber (instead of red) digital display	-78	on request
Green (instead of red) digital display	-79	on request
Date display during inactivity of stopwatch mode	-81	on request



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DCF77 radio controlled clocks

DCF77 radio controlled clocks of this type series will be supplied including a remotable DCF77 aerial (IP 68). Thus, optimum reception quality can be achieved regardless of the final placement of the clock itself. However, DCF77 radio controlled clocks will only function correctly within a radius of approx. 1,500 km around Mainflingen (50 km east of Frankfurt/M.).

PEWETA DCFport24

PEWETA DCFport24 slave clocks require a PEWETA master clock (see from page 130 on).

PEWETA AirPort24

PEWETA AirPort24 slave clocks require an AirPort24 transmitter or repeater respectively (see page 135).

NTP

NTP system clocks require a PEWETA master clock (see from page 130 on) or an NTP time server (see page 137).

¹⁾ A remotable DCF77 receiving aerial (IP 68) is included in delivery shipment.

²⁾ NTP system clocks of "PoE" type require a PoE (Power over Ethernet) power supply. Appropriate hardware has to be supplied by customer.