MOBATIME

SWISS TIME SYSTEMS

ANALOGUE INDOOR CLOCK

SLH-OP

The model series SLH-OP is optimally suited for the use in operating theaters, clean room environments, chemical plants, laboratories, swimming and fitness centers, as well as the food and beverage industry, canteen kitchens etc.

JUST A FEW STEPS TO YOUR SLH-OP

To make sure your SLH-OP meets all your requirements, you can assemble the components individually. Naturally, our experts will be happy to help.

1. *With or without digital display?*

CONFIGURATION

Optionally, the SLH-OP is available with an additional digital display. This display can be used as a time, date or temperature display or as a stopwatch.

SLH-OP

SLH-OPD

2. *Pick your time code variant:*

TIME CODE

Code	Time code	Ø	Power supply	Hands	Movement	Max. power consumption	Accuracy (synchronized)	Loss of signal
MOBALINE SELF-SETTING: MXX								
SAM	MOBALine	25–40	MOBALine	h/m	SAM 40	< 6mA @ 17VAC (0.1W)	<+/- 100ms	12:00 position after 24 hours
SEM	MOBALine	25–40	MOBALine	h/m/s	SEM 40			
NTP (LAN) SELF-SETTING: NXX								
SAN	NTP	25–40	PoE	h/m	SAN 40	PoEclass 1: <1.9W[1] / <3.8W[2]	<+/- 50ms	12:00 position after 24 hours
SEN	NTP	25–40	PoE	h/m/s	SEN 40			
POLARIZED PULSES: IXX								
A	Min. pulse	25–30	24–48V	h/m	AA0	6mA @ 48VDC (0.3W)	-	Standstill
SEI	Sec. pulse	25–40	24–60V	h/m/s	SEI 40	-	-	Standstill

[1] single-sided clock [2] cascaded double-sided clock

3.

Which installation solution works?

INSTALLATION

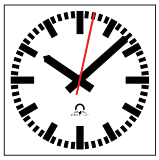
N
Wall mounting

F
Flush mounting

4. Which dial design do you like?

DIAL

The SLH-OP offers the following standard design options. For logo prints, please contact our customer service.



dial 300

dial 310

Additional steps limited to configure SLH-OPD clocks:

5. Choose your display color

DISPLAY COLOR

(SLH-OPD only) The display background is black, offering optimal display contrast. The digit color is selectable. The available variants:

red (R) | yellow (Y) | green (G) | pure green (PG) | blue (B) | white (W)

6. Which version do you need?

VERSION

(SLH-OPD only) For the digital clock, the following synchronization and power supply versions are available:

CODE	SYNCHRONIZATION	POWER SUPPLY
STD	autonomous/MOBALine	24VDC
PoE	NTP	PoE
PoEclass	NTP	PoE (IEEE 802.3af class 3)

YOUR SLH-OP IS COMPLETE

You can now order your SLH-OP and calculate the corresponding code. Enter the abbreviation for each component of your choice in the bright field and find your SLH-OP code. It serves as the order code or as the foundation for further steps.

1. Configuration	Code	.
2. Time code	Code	.
3. Installation	Code	.
4. Dial	Code	.
5. Display color	Code	.
6. Version	Code	

Example order code

1.	2.	3.	4.	5.	6.
SLH-OP .	SEM .	F .	300 .	.	
SLH-OP	movement SEM 40	flush mounting	dial 300	not used[1]	not used[1]

[1] only required with the SLH-OPD

Standards

Depending on the movement used in your SLH-OP clock, the following standards apply:

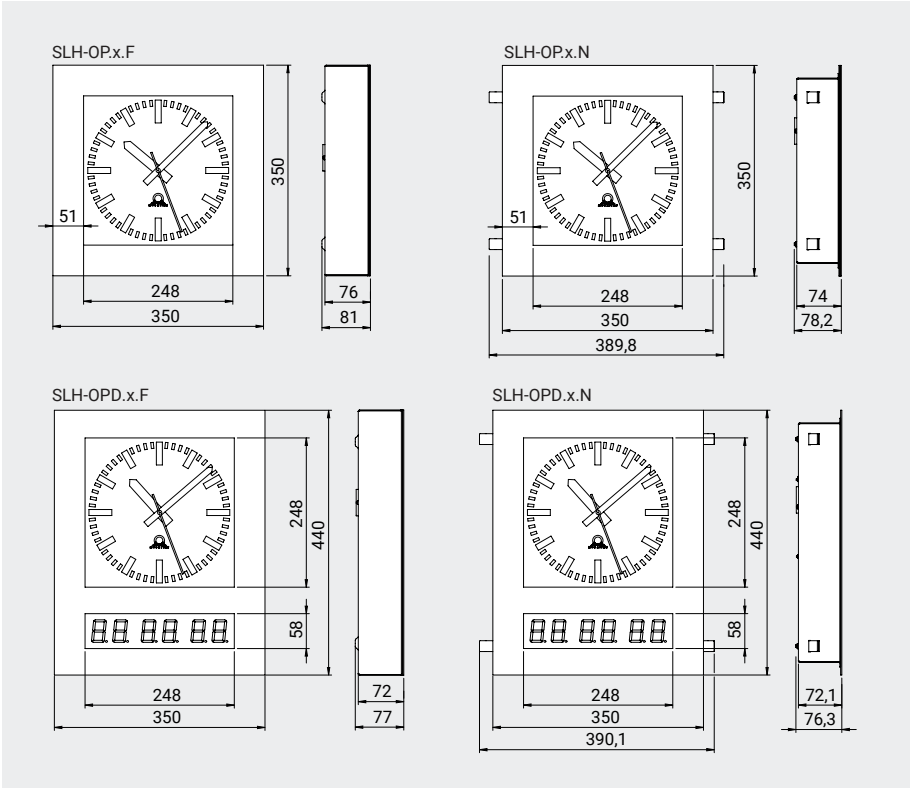
MOVEMENT(S)	STANDARDS
SAM 40 **SEM 40** **SAN 40** **SEN 40**	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU EN 50121-4 / EN 60950-1 / EN 61000-6-2 / EN 61000-6-3
SEI 40	2011/65/EU / 2014/30/EU / 2014/35/EU / EN 61000-6-2 EN 61000-6-3

All SLH-OP clocks are compliant with CE, RoHS and REACH.

TECHNICAL DATA

TECHNICAL DATA		SLH-OP	SLH-OPD
General			
Degree of protection		IP 54	
Housing		aluminium	
Weight (kg)		5	7
Analogue clock			
Diameter (mm)		248	
Reading distance (m)		20-25*	
Operating conditions		-30 to +70 °C (0 to 95% relative humidity, non-condensing)	
Digital clock (SLH-OPD)			
Digit height (mm)		-	38
Time format		-	HH:MM:SS
Reading distance (m)		-	15-22*
Power supply		-	Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC) PoE version: PoE (IEEE 802.3af class 0)
Quartz accuracy at 20 °C		-	Without synchronization: ±0.3 seconds/day
Quartz-based time maintenance (without power supply)	Mains power supply	-	From lithium battery: > 6 years
	PoE version	-	No time maintenance (> 12 hours from SuperCap on request)
Temperature precision		-	-25 to +85 °C: ±0.5 °C, -50 to +125 °C: ±2.0 °C
Operating conditions		-	0 to +50 °C (0 to 95% relative humidity, non-condensing)

* The reading distance varies depending on the dial, lighting, viewing angle, etc.



All dimensions in mm.

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Do you have any questions?
We are happy to help.

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