MOBATIME

SWISS TIME SYSTEMS

ANALOGUE INDOOR CLOCK

FLEX LN

Its integrated sound insulation makes the FLEX LN (low noise) particularly suitable for locations where the lowest possible noise emission is a priority, such as operations theaters, libraries, recording studios and prayer rooms.

5 STEPS TO YOUR FLEX LN

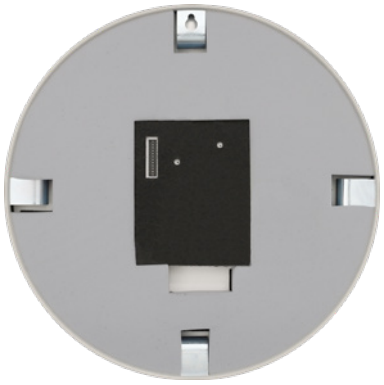
To make sure your Flex LN meets all your requirements, you can assemble the components individually. Naturally, our experts will be happy to help.

1. *How big does your Flex LN need to be?*

SIZE

The Flex LN is available in two dial diameters. The reading distance varies depending on the dial, lighting, viewing angle, etc. These are the options:

Ø	READING DISTANCE
30cm	25-30m
40cm	35-45m



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								
M00	MOBALine	25–40	MOBALine	h/m	SAM 40	< 6mA @ 17VAC (0.1W)	<+/- 100ms	12:00 position after 24 hours
M21	MOBALine	25–40	MOBALine	h/m/s	SEM 40			
NTP (LAN) SELF-SETTING (WITH UNICAST AND MULTICAST): NXX								
N20	NTP	25–40	PoE	h/m	SAN 40	PoEclass 1: <1.9W	<+/- 50ms	12:00 position after 24 hours
N21	NTP	25–40	PoE	h/m/s	SEN 40			
POLARIZED IMPULSES: IXX								
I30	Sec. impulse	25–40	24–60V impulse	h/m/s	SEI 40	-	-	Standstill

3. *Which dial design do you like?*

DIAL

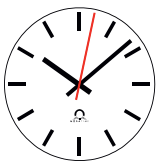
The Flex LN offers the following standard designs. For custom variants and logo prints, please contact our customer service.


dial 120


dial 160


dial 200


dial 210


dial 230


dial 300


dial 310


dial 360

4. Which type of glass is the right one?

GLASS TYPE

Depending on the intended use and budget, two glass options are available.

Mineral glass (code 0)
The high-quality, durable standard glass holds up against aggressive cleaning agents, and is therefore ideal for medical applications.

Plexiglas Resist (code 3)
The nearly indestructible Plexiglas is shatterproof, and therefore ideal for use in the food industry.

5. Which housing type do you need?

HOUSING TYPE

Extremely stable, extremely low-noise, extremely hygienic. Each housing offers different benefits. Which one fits your intended use?

FLEX Standard low-noise (code 05)
The standard housing made from aluminium (RAL 9002) is the classic solution for most applications (e.g. offices).

Stainless steel V2A low-noise (code 06)
The stainless steel housing is used in applications with the highest hygienic requirements, such as hospitals.

YOUR FLEX LN IS COMPLETE

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

My Flex LN clock		FL0.
1. Size	Ø cm	.
Shape	Code	R1 .
2. Time code	Code	.
3. Dial	Code	.
4. Glass type	Code	.
5. Housing type	Code	.
Sequence number	Code	0000

Example order code

	1.		2.	3.	4.	5.	
FL	**0.**	30 .	R1 .	M21 .	120 .	0 .	05 .	0000
Flex	no illumination[1]	Ø 30cm	round, single-sided[1]	movement SEM 40	dial 120	mineral glass	standard housing (low noise)	sequence number[2]

[1] standard, cannot be changed
[2] The sequence number denotes special versions (e.g. clocks with a special dial). When ordering, please indicate the sequence number with 0000 (standard version); we will adapt this for any special version. Special versions can be reordered at any time stating the sequence number.

Standards

Depending on the movement used in your Flex LN 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 Flex LN clocks are compliant with CE, RoHS and REACH.

SOUND INSULATION

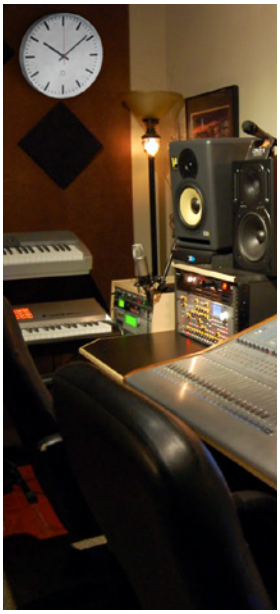
Specially developed in collaboration with the Institute for Radio Technology (IRT) Munich, the FLEX LN is ideal for locations that require minimal noise emission such as:

- Radio and TV stations
- Recording studios
- Operating theaters
- Quiet rooms
- Libraries

The noise emitted by the FLEX LN is comparable with our previous low-noise clock, the E1G. You can find detailed information about the FLEX clock series in the brochure LE-800853 FLEX.

Operating theater

Library

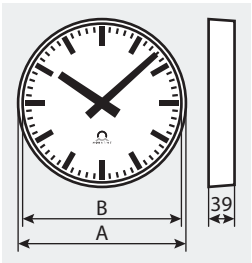


Recording studio

TECHNICAL DATA

TECHNICAL DATA	FLEX LN
Operating conditions	-30 to +70 °C (0 to 95% relative humidity, non-condensing)
Degree of protection	IP 30

COMPARISON TO FLEX	FLEX	FLEX LN
Ø	25-80cm	30-40cm
Noise emission (at 12 dB(A) low-noise level))	At 0.5 m (near field): 28 dB(A) At 2 m (diffuse field): 18.5 dB(A)	At 0.5 m (near field): 19dB(A) At 2 m (diffuse field): 14 dB(A)
Weight (with V2A, approx. +0.3 kg)	30 cm: approx. 1 kg 40 cm: approx. 1.7 kg	30 cm: approx. 1.4 kg 40 cm: approx. 2.3 kg



Ø	A	B	Weight
30	317	303	1.4
40	417	403	2.3

All dimensions in mm and weights in kg.

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

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