

# SePem® 01 GSM

## SePem® 01 GSM

Highly sensitive noise logger for stationary monitoring of water networks including a GSM module for data transmission

Due to its compact design the **SePem® 01 GSM** is especially suitable for being applied at underground fire hydrants as well as valve boxes. Not only underground fire hydrants are suitable stationary measuring points. Because of the small height of the logger when horizontally mounted an application of the **SePem® 01 GSM** inside valve boxes is possible.

The logger records the noises during a user-definable measuring period and analyses the data. Afterwards the results are directly sent via SMS. Through an email gateway the messages can be downloaded to the PC of the operator by the SePem software. One push of a button is sufficient – no driving along the measuring points is required.



Vertical installation



Horizontal installation

## The Software

The SePem software allows handling all data sent from the existing loggers **SePem® 02** and **SePem® 02 GSM** besides the new **SePem® 01 GSM**. Multiple features are implemented to assist the operator in professionally using these instruments. All essential functions are accessible through some few easy procedures.

The screenshot shows the SEWERIN software interface with a data table and a dialog box. The table contains columns for Type, FAB no., Device no., Min. level, Frequency, Meas. width, Cause, Measurement place 1, Project, Comment, Channel 1, Start date, Start time, Stop date, and Stop time. The dialog box, titled 'GSM mail reading', displays 'Reading data from mail server. Please wait...' and '0/0 mails read' with a progress bar and a 'Cancel' button.

Type	FAB no.	Device no.	Min. level	Frequency	Meas. width	Cause	Measurement place 1	Project	Comment	Channel 1	Start date	Start time	Stop date	Stop time
SaPem 01	100 20 000029	14	2.0	857.0	44.00	0				Noise 0_3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000030	15	7.0	15.0	19.00	0				Noise 0_3000	25.09.2007	02:00:00	20.12.2007	03:00:00
SaPem 01	100 20 000030	15	3000.0	100.0	0.00	0				Noise 0_3000	03.01.2008	02:00:00	22.02.2008	03:00:00
SaPem 01	100 20 000031	16	297.0	15.0	169.00	0				Noise 0_3000	25.09.2007	13:20:00	30.09.2007	13:21:00
SaPem 01	100 20 000031	16	3000.0	730.0	0.00	0				Noise 0_3000	20.11.2007	16:28:00	21.11.2007	16:33:00
SaPem 01	100 20 000014	16	367.0	15.0	89.00	0				Noise 0_3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000032	17	40.0	634.0	152.00	0				Noise 0_3000	25.09.2007	02:00:00	23.02.2008	03:00:00
SaPem 01	100 20 000033	18	95.0	15.0	15.00	0				Noise 0_3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000034	19	127.0	15.0	89.00	0				Noise 0_3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000035	20	0.0	15.0	146.00	0				Noise 0_3000	25.09.2007	02:00:00	13.12.2007	03:00:00
SaPem 01	100 20 000035	20	249.0	15.0	173.00	0				Noise 0_3000	19.12.2007	02:00:00	12.01.2008	03:00:00
SaPem 01	100 20 000036	21	63.0	714.0	117.00	0				Noise 0_3000	22.10.2007	02:00:00	12.01.2008	03:00:00
SaPem 01	100 20 000037	22	173.0	15.0	280.00	0				Noise 0_3000	22.10.2007	02:00:00	15.11.2007	03:00:00
SaPem 01	100 20 000038	23	194.0	15.0	69.00	0				Noise 0_3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000026	24	3000.0	696.0	0.00	0				Noise 0_3000	2007	02:00:00	26.12.2007	03:00:00
SaPem 01	100 20 000026	24	3000.0	746.0	0.00	0				Noise 0_3000	2008	02:00:00	17.01.2008	03:00:00
SaPem 01	100 20 000040	25	79.0	236.0	348.00	0				Noise 0_3000	2007	02:00:00	04.12.2007	03:00:00
SaPem 01	100 20 000041	26	6.0	492.0	93.00	0				Noise 0_3000	2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000042	27	203.0	15.0	95.00	0				Noise 0_3000	2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000043	28	0.0	15.0	424.00	0				Noise 0_3000	2007	02:00:00	26.12.2007	03:00:00
SaPem 01	100 20 000043	28	290.0	269.0	102.00	0				Noise 0_3000	2008	02:00:00	19.02.2008	03:00:00
SaPem 01	100 20 000044	29	116.0	15.0	16.00	0				Noise 0_3000	2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000045	30	1444.0	603.0	233.00	0				Noise 0_3000	2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000049	31	9.0	682.0	351.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000050	32	16.0	696.0	320.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000051	33	9.0	666.0	85.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000052	34	107.0	15.0	112.00	0				Noise 0_3000	19.11.2007	02:00:00	19.02.2008	03:00:00
SaPem 01	100 20 000053	35	54.0	15.0	221.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000054	36	10.0	301.0	114.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000055	37	0.0	15.0	117.00	0				Noise 0_3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SaPem 01	100 20 000056	38	165.0	100.0	75.00	0				Noise 0_3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SaPem 01	100 20 000057	39	320.0	15.0	182.00	0				Noise 0_3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SaPem 01	100 20 000058	40	101.0	15.0	143.00	0				Noise 0_3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SaPem 01	100 20 000059	41	99.0	15.0	72.00	0				Noise 0_3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SaPem 01	100 20 000060	42	163.0	15.0	59.00	0				Noise 0_3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SaPem 01	100 20 000061	43	189.0	15.0	357.00	0				Noise 0_3000	19.11.2007	02:00:00	07.12.2007	03:00:00
SaPem 01	100 20 000062	44	72.0	317.0	61.00	0				Noise 0_3000	19.11.2007	02:00:00	20.12.2007	03:00:00
SaPem 01	100 20 000062	44	32.0	236.0	20.00	0				Noise 0_3000	21.12.2007	02:00:00	21.12.2007	03:00:00
SaPem 01	100 20 000063	45	33.0	761.0	68.00	0				Noise 0_3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SaPem 01	100 20 000064	46	38.0	793.0	103.00	0				Noise 0_3000	19.11.2007	02:00:00	20.12.2007	03:00:00
SaPem 01	100 20 000064	46	116.0	460.0	83.00	0				Noise 0_3000	21.12.2007	02:00:00	21.01.2008	03:00:00

Receiving emails on a push of a button

## The advantages

- Leaks are recognized very early – saving money by reduction of run time of leakages
- No additional time required for driving past measuring points
- Flexible programming of measurement and data transmission – optimal configuration according to local and network conditions
- Very low maintenance effort for each logger

## Technical data

- Robust die-cast aluminium housing (hard-anodized, painted)
- Power supply by high-performance Lithium batteries
- Protected according to IP68 (submersible down to 1m under water)
- Dimensions (W x D x H) in mm: 108 x 51 x 50 (without attached components)
- Quad-band GSM module
- Typical operating time: > 4years (depending on selected settings)

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We are certified in accordance with EN ISO 9001