

SePem® 01 GSM

SePem® 01 GSM - loggers in one unit

Monitor your water network 24/7 from the office with SePem® 01 GSM loggers.

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

Due to the compact design the **SePem® 01 GSM** is especially suitable for being applied at fire hydrants as well as underground valve cylinders and other available contact points.

Because of the small height of the logger when horizontally installed the **SePem® 01 GSM** can be placed inside meter boxes.

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 SeDem software interface. The main window displays a table of measurement data with columns: Type, FAB no., Device no., Min. level, Frequency, Meas. width, Course, Measurement place, Project, Comment, Channel 1, Start date, Start time, Stop date, Stop time. The data includes various parameters like noise levels (e.g., Noise 0...3000), dates (e.g., 25.09.2007), and times (e.g., 02:00:00). A modal dialog box titled 'GSM mail reading' is overlaid on the main window, containing the message 'Reading data from mail server. Please wait ...' and a progress bar. At the bottom of the dialog are 'Cancel' and 'OK' buttons.

Type	FAB no.	Device no.	Min. level	Frequency	Meas. width	Course	Measurement place	Project	Comment	Channel 1	Start date	Start time	Stop date	Stop time
SePen 01 ...	100.20.000029	14	2.0	857.0	44.00	green				Noise 0...3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000030	15	7.0	15.0	13.00	green				Noise 0...3000	25.09.2007	02:00:00	20.12.2007	03:00:00
SePen 01 ...	100.20.000030	15	3000.0	100.0	0.00	red				Noise 0...3000	03.01.2008	02:00:00	22.02.2008	03:00:00
SePen 01 ...	100.20.000031	16	287.0	15.0	169.00	yellow				Noise 0...3000	25.09.2007	12:30:00	30.09.2007	13:21:00
SePen 01 ...	100.20.000031	16	3000.0	730.0	0.00	green				Noise 0...3000	20.11.2007	16:28:00	21.11.2007	16:33:00
SePen 01 ...	100.20.000034	16	367.0	15.0	88.00	green				Noise 0...3000	26.03.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000032	17	40.0	634.0	152.00	green				Noise 0...3000	25.03.2007	02:00:00	23.02.2008	03:00:00
SePen 01 ...	100.20.000033	18	95.0	15.0	15.00	red				Noise 0...3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000034	19	127.0	15.0	89.00	red				Noise 0...3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000035	20	0.0	15.0	146.00	green				Noise 0...3000	25.09.2007	02:00:00	13.12.2007	03:00:00
SePen 01 ...	100.20.000035	20	249.0	15.0	173.00	red				Noise 0...3000	19.12.2007	02:00:00	12.01.2008	03:00:00
SePen 01 ...	100.20.000035	21	83.0	714.0	117.00	green				Noise 0...3000	22.10.2007	02:00:00	12.01.2008	03:00:00
SePen 01 ...	100.20.000037	22	173.0	15.0	280.00	yellow				Noise 0...3000	22.10.2007	02:00:00	15.11.2007	03:00:00
SePen 01 ...	100.20.000038	23	194.0	15.0	68.00	red				Noise 0...3000	25.09.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000036	24	3000.0	698.0	0.00	red				Noise 0...3000	2006	02:00:00	26.12.2007	03:00:00
SePen 01 ...	100.20.000026	24	3000.0	746.0	0.00	yellow				Noise 0...3000	2007	02:00:00	04.12.2007	03:00:00
SePen 01 ...	100.20.000040	25	79.0	238.0	348.00	red				Noise 0...3000	2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000041	26	6.0	492.0	93.00	red				Noise 0...3000	2007	02:00:00	19.02.2008	03:00:00
SePen 01 ...	100.20.000042	27	201.0	15.0	85.00	red				Noise 0...3000	2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000043	28	0.0	15.0	424.00	green				Noise 0...3000	2007	02:00:00	26.12.2007	03:00:00
SePen 01 ...	100.20.000043	28	298.0	265.0	102.00	green				Noise 0...3000	2008	02:00:00	19.02.2008	03:00:00
SePen 01 ...	100.20.000044	29	105.0	15.0	16.00	red				Noise 0...3000	2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000044	30	1444.0	603.0	233.00	red				Noise 0...3000	2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000044	31	9.0	682.0	351.00	red				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000050	32	16.0	698.0	320.00	red				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000051	33	9.0	666.0	85.00	red				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000052	34	107.0	15.0	112.00	red				Noise 0...3000	19.11.2007	02:00:00	19.02.2008	03:00:00
SePen 01 ...	100.20.000053	35	54.0	15.0	221.00	red				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000054	36	10.0	301.0	114.00	green				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000055	37	0.0	15.0	117.00	yellow				Noise 0...3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SePen 01 ...	100.20.000056	38	165.0	100.0	75.00	red				Noise 0...3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SePen 01 ...	100.20.000057	38	320.0	15.0	182.00	red				Noise 0...3000	19.11.2007	02:00:00	22.02.2008	03:00:00
SePen 01 ...	100.20.000058	40	101.0	15.0	143.00	red				Noise 0...3000	19.11.2007	02:00:00	27.02.2008	03:00:00
SePen 01 ...	100.20.000059	41	95.0	15.0	72.00	red				Noise 0...3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SePen 01 ...	100.20.000060	42	163.0	15.0	59.00	red				Noise 0...3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SePen 01 ...	100.20.000061	43	189.0	15.0	357.00	green				Noise 0...3000	19.11.2007	02:00:00	07.12.2007	03:00:00
SePen 01 ...	100.20.000062	44	72.0	317.0	61.00	red				Noise 0...3000	19.11.2007	02:00:00	20.12.2007	03:00:00
SePen 01 ...	100.20.000062	44	32.0	238.0	20.00	red				Noise 0...3000	21.12.2007	02:00:00	31.12.2007	03:00:00
SePen 01 ...	100.20.000063	45	33.0	761.0	68.00	red				Noise 0...3000	19.11.2007	02:00:00	21.01.2008	03:00:00
SePen 01 ...	100.20.000064	46	38.0	793.0	103.00	yellow				Noise 0...3000	19.11.2007	02:00:00	20.12.2007	03:00:00
SePen 01 ...	100.20.000064	46	105.0	460.0	83.00	red				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 3.28 feet under water)
- Dimensions (W x D x H): 4.25 x 2 x 1.97 in (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

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