



Senstec®

GM570

Seismic detector

for intelligent object and surface surveillance

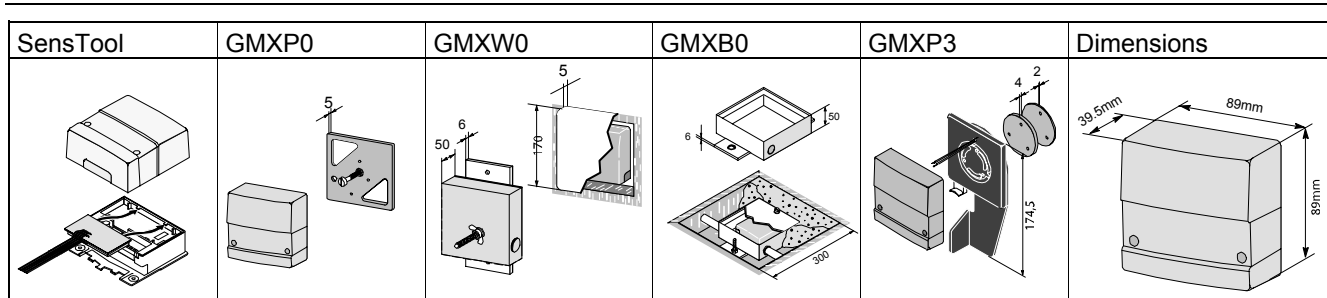
- **One detector for all applications**
- **Individual settings via SensTool Software**
- **Around-the-clock monitoring of strong-room-walls and doors, safes, night deposits, automatic cash dispenser, etc.**
- **SENSTEC® sensor and micro-controller-based signal processing system**

Versatile in application. The detector construction makes it easy to install. Predefined settings allow GM570 to be quickly set for all common applications. Optional SensTool software enables modification of default operating parameters and monitoring of current detector performance.

Effective. Reliable recognition of attack is ensured on safes, cash dispenser, night deposits, strong rooms and modular vaults made of steel, concrete and armoured or synthetic composites, as well as attacks with explosives or attempted entry using modern tools, such as diamond-tipped drills, mechanical and hydraulic pressure tools, flame cutters, thermal-lancers or water jet.

Highly professional. The patented SENSTEC® sensor and digital signal processing including disturbance and clock filters evaluates a selected narrow frequency band to ensure reliable detection.

Accessories and dimensions



Technical data

Detection characteristics	
– Operating radius/Coverage area on concrete and steel	4 m / 50 m ²
– For all types of tools (including termic tools)	7 m / 154 m ²
– For mechanical tools only	7 m / 154 m ²
Power supply	8 ... 16 VDC (12 V nom.)
– Voltage monitoring	alarm & tamper < 7 ... 8 VDC
Power consumption (at 12 VDC)	
– Quiescent / Alarm	4 mA / 5 mA
Alarm output	
– Semiconductor relay (opens on alarm)	30 VDC / 100 mA / Ri < 20 Ω
– Open collector	alarm -> 0 V / Ri 1 k Ω
– Alarm hold time	2.5 s
Disturbance output	
– Open collector	Disturbance -> 0 V / Ri 1 k Ω
Tamper output	
– Semiconductor relay (opens on tamper)	30 VDC / 100 mA / Ri < 20 Ω
Test point output	Analogue integration signal
Function test input	
– For test	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC
– With GMXS1, test duration	≤ 3 s
Remote sensitivity reduction input	
– For reduction	LOW ≤ 1.5 VDC / HIGH ≥ 3.5 VDC
– Reduction to	1/8 of the actual setting
Adjustments	
– Dip switch settings	6 fixed levels
– Via SensTool PC Software	freely programmable
Environmental conditions	
– Operating temperature	- 40 ... + 70°C
– Storage temperature	- 50 ... + 70°C
– Air humidity (EN 60721)	< 95% rh, non-condensing
– Housing protection (EN 60529, EN 50102)	IP43
– Electromagnetic compatibility (EMC)	Better than EN 50130-4
– Tolerance of HF interference	
1 ... 2000 MHz (EN 61000-4-3)	> 30 V/m
– VdS environment class	III

Ordering data

Type	Art. No.	Designation	Weight
GM570	520470	Seismic detector	0.455 kg
GMXS1	420237	Test transmitter	0.020 kg
GMXP0	277273	Mounting plate	0.270 kg
GMXW0	277121	Wall recess set w/cover	1.160 kg
GMXP3	347019	Swivel plate	0.525 kg
SensTool	520771	SensTool Interface and software	

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