



- New Senstec bimorph sensor technology for:
  - optimum response to all known attacking tools
  - maximum immunity to any environmental interference
- Signal analysis independent of airborne sound enables mounting the detector to the inside as well as the outside surface of the object to be protected without any problem
- Universal application potential
  - Round-the-clock monitoring of strongroom walls and doors, safes (including light-weight safes) and automatic cash dispensers
- Integrated test system rapidly checks:
  - correct operation of the electronics and of the Senstec sensor
  - proper mounting of the detector on the object to be protected
- Detection performance is independent of mounting pressure and material structure, thanks to the new Senstec sensor and evaluation technology
- DIP switches for application-oriented programming:
  - sensitivity adjustable in 6 stages
  - response time adjustable in 2 stages
- Interactive remote control system for in-service sensitivity reduction
- Immunity against harsh environmental conditions such as airborne noise and seismic vibrations produced by automobile traffic characteristic to areas near night deposits and automated cash machines.
- Full protection against electrical interference:
  - metal encapsulation to shield from electromagnetic fields
  - efficient filter circuits as a safeguard against conducted interference
- Traditional ease of installation
  - Electrical connections and pre-assembled mounting screws are readily accessible
  - Electronics protected against accidental contact

**Technical data**

		<b>GM550E UL</b>
<b>Detection characteristics</b>		
- Operating radius (on concrete and steel)		13 ft.
- Coverage area (on concrete and steel)		540 sq.ft.
- Sensitivity adjustment		6 stages
- Remote controlled sensitivity reduction		activity with LOW signal
- Response time adjustment		2 stages
- Frequency range		13 ... 19kHz
<b>Power supply</b>		
- Supply voltage (nominal 12VDC)		7 ... 16Vdc
- Max. alternating-current component		5%
- Current consumption at 12 Vdc		
- quiescent condition		3mA
- alarm		5mA
<b>Alarm outputs</b>		
- Relay (changeover contact)		max.30Vdc/100mA
- Open collector		LOW signal upon alarm
- Alarm hold time		approx.2.5s
<b>Tamper monitoring</b>		
- Cover contact (microswitch)		max. 30VDC/100mA
- Black tamper contact (option)		max. 30VDC/100mA
- Supply voltage		≤ 6.5V
- Anti-drilling shield		option
<b>Test output</b>		analog integration signal
<b>Control input for GMXS1 test transmitter (option)</b>		
- LOW signal for remote test triggering		1V
- Test period		approx. 3s
<b>Ambient conditions</b>		
- Operating temperature		-4 ... 140°F
- Storage temperature		-20 ... +60°C
- Humidity, to DIN40040		-50 ... +158°F
- Housing protection category, to IEC 529		class F (≤ 95% rel.)
- Electromagnetic compatability		IP 43
		15V/m (CE)

**Details for ordering**

<b>Type</b>	<b>Description</b>	<b>Weight: (kg)</b>	<b>lbs.</b>
GM550E UL	Seismic detector	0.395kg	.870
GMXS1	Test transmitter	0.020kg	.040
GMXPO	Mounting plate	0.270kg	.600
GMXP3	Swivel plate	0.525kg	1.155
-	2 mm spacer plate	0.010kg	.022
-	4mm spacer plate	0.020kg	.044
-	Indicator switch (option)	0.005kg	.010
GMXWO	Wall recess set	1.160kg	2.560
GMXBO	Floor box	2.085kg	4.600
GMXB50	80x300x300mm aerated plastics block for GMXBO	0.150kg	.330
YA8	Alarm indicator panel	0.500kg	1.100