

# GM-69-1000-EN54

- Aluminium housing
- Weather proof
- BS 5839

The 50 Watt loudspeaker is equipped with eight full range loudspeaker chassis à 77 mm and a 100 V transformer with four power adjustments.

The powder coated and shock-resistant aluminium housing in RAL 9006 guarantees long-term stability. For additional reliability, a 2 pin-ceramic block, a thermal fuse is provided and the speaker chassis is impregnated against wetness. Furthermore sturdy cable glands 2 × PG9 are also provided.

The speaker is also secured with the high protection class IP 66 against the security risks of environmental influences. The speaker is compliant with the British Standard BS 5839, Part 8.

The easy mounting with the included swivel bracket provides much flexibility for the installation.

Special paint of the speaker in 4-digit RAL- or NCS- colour available at extra cost.



EN 54-24:2008  
 Ref. Nr.: 63-19-016  
 ID-Codes: LS-VA-003  
 1438-CPR-0708

g+m elektronik ag, Bürerfeld 12,  
 CH-9245 Oberbüren, Switzerland

CE-Symbol according 93/68EWG

## Technical datas

### Electric

Power	50/30/15/7.5 W
Impedance (100 V)	200/333/667/1333 Ω
Frequency response	110–18'000 Hz
SPL 1 W/1 m	102.8 dB
SPL 1 W/4 m	90.8 dB
SPL Pmax/4 m	101.0 dB
SPL Pmax/8 m	95.0 dB
SPL Pmax/16 m	89.0 dB
SPL Pmax/32 m	83.0 dB
Sensitivity EN 54-24, 1 W/4 m	82.7 dB
Sensitivity IEC 268-5, 1 W/1 m	94.7 dB
Dispersion -6 dB, 500 Hz	H: 360°, V: 73°
Dispersion -6 dB, 1 KHz	H: 186°, V: 33°
Dispersion -6 dB, 2 KHz	H: 173°, V: 17°
Dispersion -6 dB, 4 KHz	H: 98°, V: 6°

### Mechanic

Dimensions (W × H × D)	100 × 974 × 92 mm
Weight	5.2 kg
Material	Aluminium
Temperature range	-20°C to +90°C
Standard color	RAL 9006
Special colors	RAL or NCS
Mounting	Swivel bracket
Connector	2-pin ceramic block
Maximum cable cross section	8 mm <sup>2</sup>
Max. cable cross section loop	2 × 2 mm <sup>2</sup>
Protection	IP66
Certificate EN 54-24	1438-CPR-0708

## Accessories

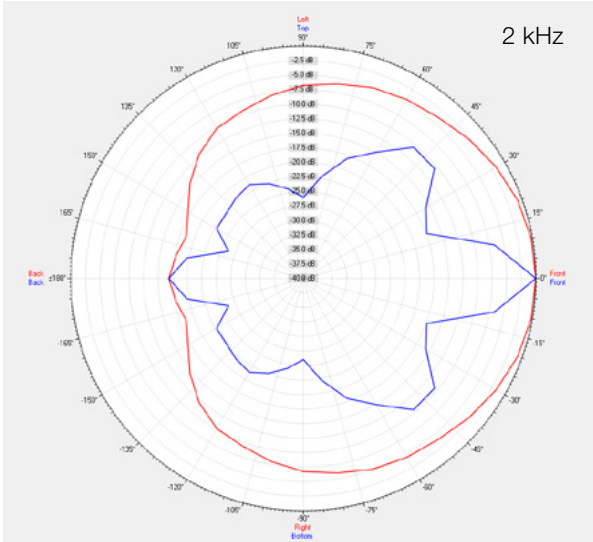
The GM-69-1000-EN54 can be extended up to 2 m or 3 m. Assembly kit (KIT) required for stacking.

Art. N° 63-6112355-01-01	KIT-GM-69-2000
Art. N° 63-6112362-01-01	KIT-GM-69-3000

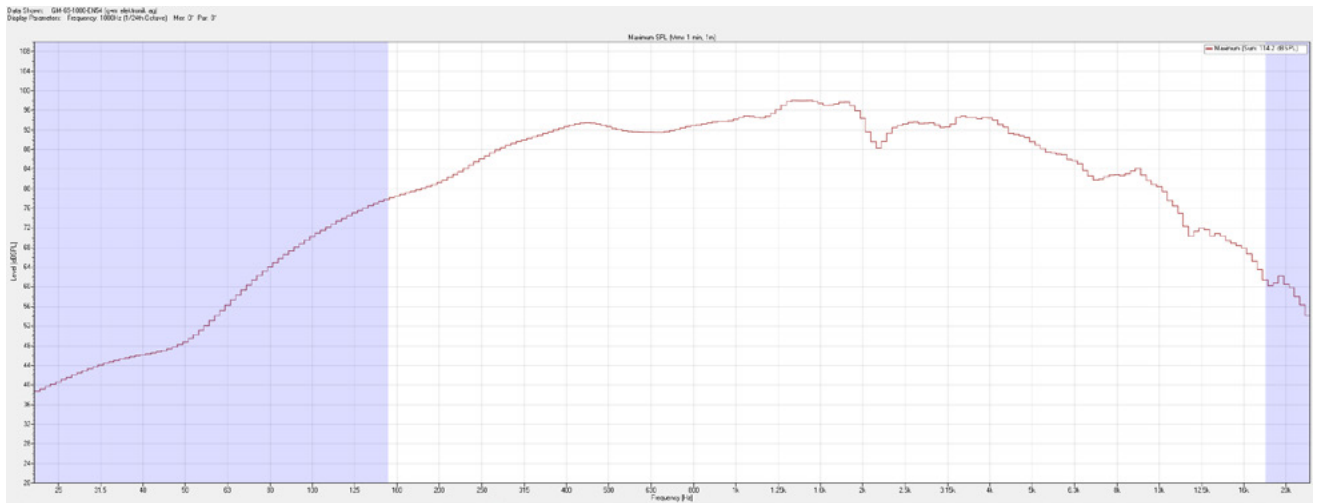
## Ordering information

2 m Height	KIT-GM-69-2000 & 2× GM-69-1000-EN54 incl. 2 brackets
3 m Height	KIT-GM-69-3000 & 3× GM-69-1000-EN54 incl. 2 brackets

## Polar plot

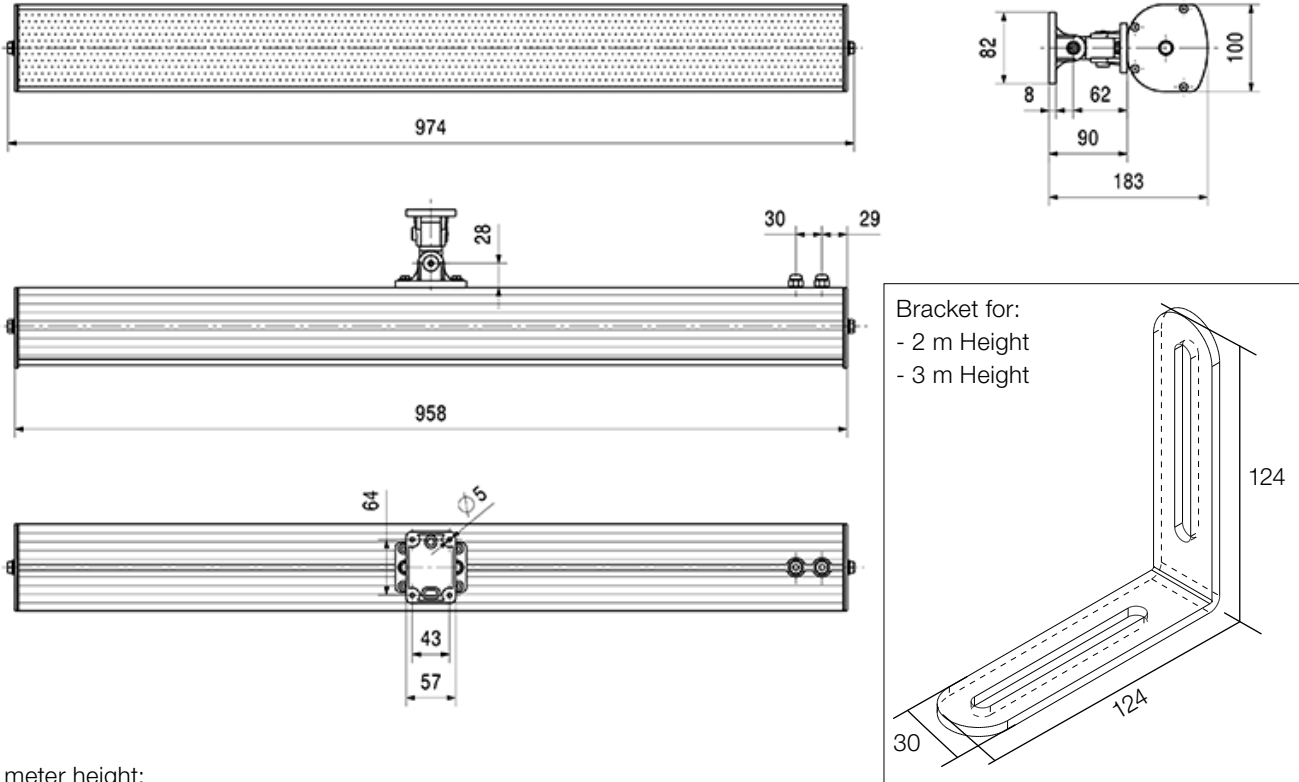


## Frequency response

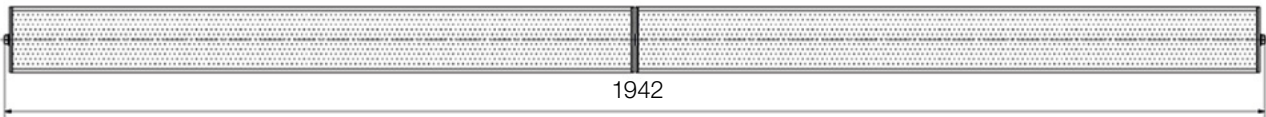


**Dimensions (in mm)**

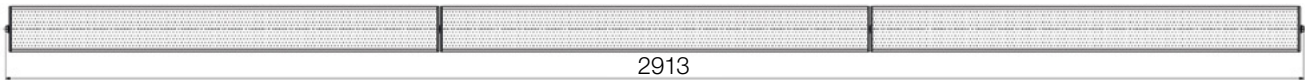
1 meter height:



2 meter height:



3 meter height:



**Information**

Loudspeakers from g+m elektronik ag are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment. Therefore our warranty does not cover any damage caused by liquids.

Measurements according to DIN IEC 268-5 | RoHS compliant (2011/65/EU).

The IP rating specified is based on test results from g+m elektronik ag, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN 54-24 compliance.

# Height 2 m

## KIT-GM-69-2000 & 2x GM-69-1000-EN54

### Technical datas

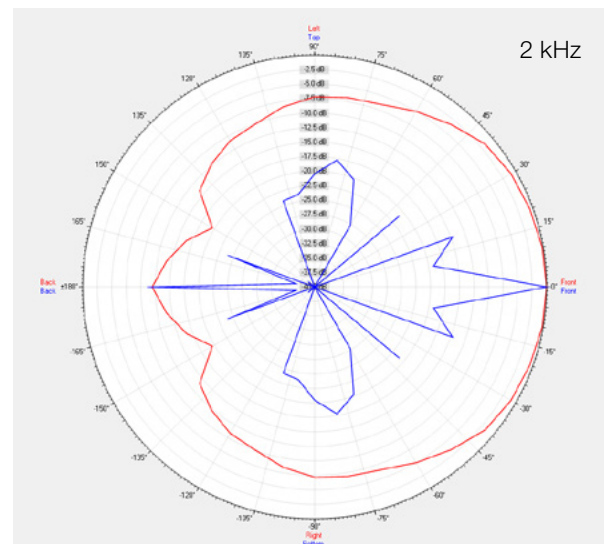
#### Electric

Power	2 × 50/30/15/7.5 W
Impedance (100 V)	200/333/667/1333 Ω
Frequency response	110–18'000 Hz
SPL 1 W/1 m	102.8 dB
SPL 1 W/4 m	90.8 dB
SPL Pmax/4 m	105.0 dB
SPL Pmax/8 m	100.0 dB
SPL Pmax/16 m	95.0 dB
SPL Pmax/32 m	89.0 dB
Sensitivity EN 54-24, 1 W/4 m	82.7 dB
Sensitivity IEC 268-5, 1 W/1 m	94.7 dB
Dispersion -6 dB, 500 Hz	H: 360°, V: 34°
Dispersion -6 dB, 1 KHz	H: 142°, V: 18°
Dispersion -6 dB, 2 KHz	H: 122°, V: 8°
Dispersion -6 dB, 4 KHz	H: 82°, V: 5°

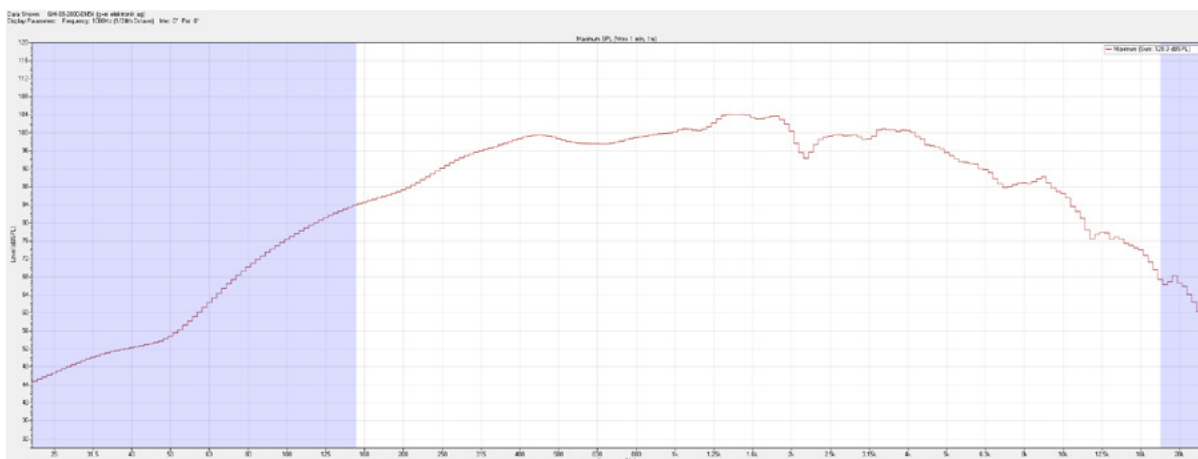
#### Mechanic

Dimensions (W × H × D)	100 × 1942 × 92 mm
Weight	10.2 kg
Material	Aluminium
Temperature range	-20°C to +90°C
Standard color	RAL 9006
Special colors	RAL or NCS
Mounting	Swivel bracket
Connector	2-pin ceramic block
Maximum cable cross section	8 mm <sup>2</sup>
Max. cable cross section loop	2 × 2 mm <sup>2</sup>
Protection	IP66

### Polar plot



### Frequency response



# Height 3 m

## KIT-GM-69-3000 & 3x GM-69-1000-EN54

### Technical datas

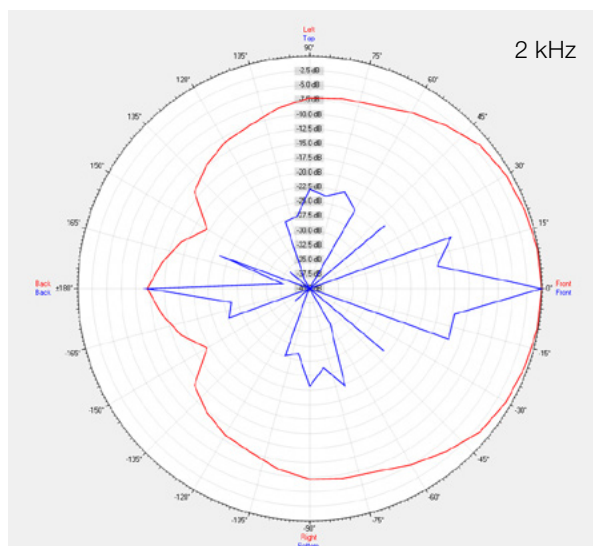
#### Electric

Power	3 × 50/30/15/7.5 W
Impedance (100 V)	200/333/667/1333 Ω
Frequency response	110–18'000 Hz
SPL 1 W/1 m	102.8 dB
SPL 1 W/4 m	90.8 dB
SPL Pmax/4 m	105.0 dB
SPL Pmax/8 m	102.0 dB
SPL Pmax/16 m	98.0 dB
SPL Pmax/32 m	92.0 dB
Sensitivity EN 54-24, 1 W/4 m	82.7 dB
Sensitivity IEC 268-5, 1 W/1 m	94.7 dB
Dispersion -6 dB, 500 Hz	H: 360°, V: 16°
Dispersion -6 dB, 1 KHz	H: 142°, V: 10°
Dispersion -6 dB, 2 KHz	H: 122°, V: 6°
Dispersion -6 dB, 4 KHz	H: 82°, V: 5°

#### Mechanic

Dimensions (W × H × D)	100 × 2913 × 92 mm
Weight	15.3 kg
Material	Aluminium
Temperature range	-20°C to +90°C
Standard color	RAL 9006
Special colors	RAL or NCS
Mounting	Swivel bracket
Connector	2-pin ceramic block
Maximum cable cross section	8 mm <sup>2</sup>
Max. cable cross section loop	2 × 2 mm <sup>2</sup>
Protection	IP66

### Polar plot



### Frequency response

