



Datasheet

# ARR-GR-BIHEX

## BI-HEX ARRAY GRID

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# BI-HEX ARRAY GRID

## Microflown Technologies Holography optimized array grid

### Specialized structure for a specialized algorithm

The new Microflown Technologies Hand Held Array Grid allows easily interchanging the probe distribution in order to cover a wider range of applications and provide the best performance for the supported analysis algorithms. Each array grid pack includes the probe holder and the camera holder. These two pieces are designed together to optimize the camera position and view. The camera image is used in the Acoustic Camera software in combination with acoustic color maps.

The Bi-Hex array grid can be used both for direct mapping as well as for Near-field Acoustic Holography methodologies

Being specially designed for maximizing the accuracy of the results provided by the Near-Field Acoustic Holography method.

# I. BI-HEX ARRAY GRID

The BI-HEX pack contains:

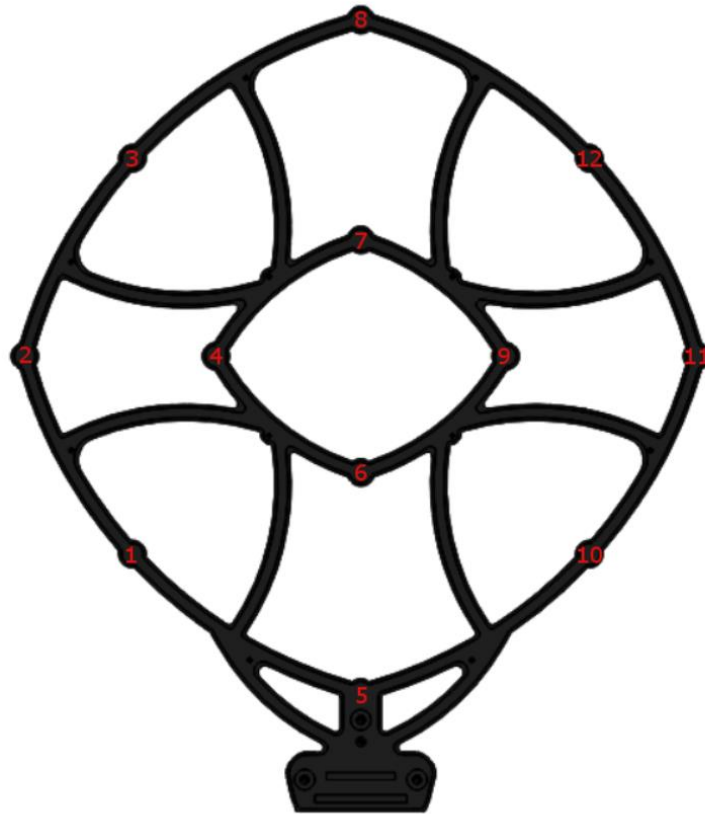
1. Bi-Hex array grid
2. Bi-Hex camera holder

The BI-HEX pack is compatible with the Hand- Held – Starters pack (ARR-GR-SP)

# II. CHARACTERISTICS TABLE

Parameter	Value	Unit/ note
Array Diameter	30	cm
Array aperture	25	cm
Distance camera- Grid	17,5	cm
Total number of probes	12	units
Probe connectors	4 pin Lemo	
Mechanical grid- handle connections	3 x Thumbscrew	
Probe distances	Irregular, see diagram	
Max. suitable frequency for NAH	2.000	Hz
Max. suitable frequency for direct mapping:	10.000	Hz

# III. PROBE DISTRIBUTION DIAGRAM



Follow the probes connection diagram above in order to match the calibration values with the proper channel input in the software.

# IV. USAGE AND PRECAUTIONS



- Do not submerge the electronics in water as this will lead to permanent damage.
- Only use the cables provided with the Microflown system, other components may lead to malfunction or even damage.
- Remove the probes from the grid when exchanging grid type.
- Hold the grid while unscrewing any elements.

## V. TECHNICAL SUPPORT

For any problem or doubt with your equipment, please contact Microflown™ Technologies Customer service:

- Mail: [cs@microflown.com](mailto:cs@microflown.com)
- Skype: [cs.microflown](https://www.skype.com/join/cs.microflown)
- Telephone: +31(0) 88 001 08 11 Monday to Friday, from 9:00 to 17:00 (UTC+1).

## VI. WARRANTY POLICY, REPAIRS AND REPLACEMENTS

### WARRANTY AND REPLACEMENT OR SUBSTITUTION

During the first two years (24 months) the seller offers a warranty on all its products, except for trading items and third party manufactured items. The seller warrants that all products will be free from defects in materials and workmanship for this period of two years. During this two year period, the seller will repair or replace defect products free of charge. Products damaged by accident, abuse, misuse, natural disaster or by any unauthorized disassembly, repair or modification are not covered by this warranty. The incurred transportation costs of returning the products to seller will be borne by the buyer. The logistical cost for returning the products back to the buyer will be borne by the seller. Several products come with a “VOID if seal is broken” sticker, the warranty is void at all times when this sticker is broken.

### GRACE PERIOD (YEAR 3 AND 4)

During the third and fourth year the seller offers a grace period. In the grace period the products purchased at an earlier date can be replaced by completely new state of the art products of the same scope of the original purchase. This applies only for the products known as standard probes and signal conditioners. In the first year of the grace period, (year 3) customers have an option to replace their products for 25 % of the actual ex works end-user price. The full freight and packaging charges apply.

In the second year of the grace period, (year4) customers have an option to replace their products for 50 % of the actual ex works end-user price. The full freight and packaging charges apply.

The new products are accompanied by a new warranty. Both the two years warranty and grace period become applicable again from the date of invoice.

#### **REPAIRS OUTSIDE WARRANTY POLICY**

Replaced/repared parts come with a six month warranty under the same conditions as the two year warranty.