Microflown Technologies
Charting sound fields

Datasheet

ARR-GR-ECT1.8

RECT1.8 ARRAY GRID

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RECT1.8 ARRAY GRID

Microflown Technologies PU match array grid

Very high spatial resolution for sound source localization

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 colormaps.

The Rect1.8 is specially designed for high spatial resolution measurements. It is also compatible with the Near-field Acoustic Holography methodology providing results up to 6-8KHz.
For specialized holography configurations or bigger apertures consult our Hand held grid accessories options.

I. RECT1.8 ARRAY GRID

The RECT1.8 pack contains:

1. RECT1.8 array grid
2. RECT1.8 camera holder

The RECT1.8 pack is compatible with the Hand- Held – Starters pack (ARR-GR-SP)

II. CHARACTERISTICS TABLE

Parameter	Value	Unit / note
Array Dimensions (LxW)	5,5 x 7,5	cm
Array aperture (LxW)	4 x 5,5	cm
Distance camera- Grid	7,5	cm
Total number of probes	12	units
Probe connectors	4 pin Lemo	
Mechanical grid- handle connections	3 xTthumb-screw	
Probe distances	1,8	cm
Max. Usable frequency for NAH	6.000-8.000*	Hz
Max. Usable frequency for direct measurement:	10.000	Hz

*Depending on distance to surface

III. 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.

IV. TECHNICAL SUPPORT

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

- Mail: cs@microflown.com
- Skype: cs.microflown
- Telephone: +31(0) 88 001 08 11 Monday to Friday, from 9:00 to 17:00 (UTC+1).

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