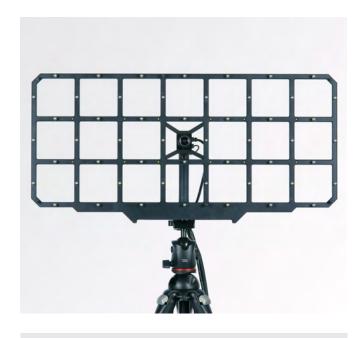


Paddle2x52 AC Pro

104 CHANNEL INTENSITY SYSTEM FOR LOW FREQUENCIES



BENEFITS

- Compact and easy to use
- Very fast and flexible test setup
- · Portable handheld system
- Sound maps of intensity and pressure
- Operating in non-ideal test environments
- Back noise suppression trough intensity method
- Rear reflections have no influence on the measurement result
- Trigger button for a fast and easy localization of the sound sources

The Paddle2x52 consists of 52 intensity probes – one pair of microphones each. This enables a local mapping of intensity, which is proportional to the sound power. Therefore, the Paddle shows a local intensity distribution, usefull for identifying complex sources at close range.

Due to the intensity probes used, the array has a strong directivity. Therfore, the measurements can focus on individual machine sections while also being achievable in acoustically unfavourable environments.

The Paddle is used for acoustic near field measurements at low frequencies. This array is impressive not only visually, but functionally. While the array design is acoustically transparent and stable, it is also easy to handle.

An integrated Baumer VLG-22C with wide-angle lens provides ideal reference images for the short working distances.

APPLICATIONS

- Very low frequencies
- Stationary sound sources
- Medium to large sized consumer products
- Underhood measurements
- Sound pressure measurements







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TECHNICAL DATA



Size and Weight

0120 4114 1101811	
Array-body dimensions	71 x 35 x 16 cm
Weight	1.6 kg

Features

Video camera	Baumer VLG-22C (wide-angle lens)
Resolution	1920 x 1080 (Full HD)

Operating Conditions

Ingress protection code	IP20
Cable length to data recorder	Up to 20 m (on request: 50 m)
Operating environment	0°C – 45°C, up to 80% RH

Microphone Data

Electret condenser capsule
+ special designed preamplifier
20 Hz – 15 kHz (< 0.5 dB)
10 Hz – 20 kHz (< 3 dB)
130 dB at 3% THD
27.5 dB(A)
20 mV/Pa

Array Data

Channels	104 (= 52 intensity probes)
Recommended measurement distance	> 0.1 m
Acoustic mapping range	23 dB – 130 dB
Recommended mapping frequencies	30 Hz – 2 kHz
Dynamic range	9 dB – 25 dB

