

CLASS+

FEATURES

- Pre-polarised Electret Condenser Technology
- International Standard 1/2" Capsule with Type 1, Type 2+ and Type 2 versions
- Long Term Stability & Reliability
- High Accuracy
- Ideal for OEM Specifications & Replacement
- Wide range of variants & accessories
- Compatible with Brüel & Kjær Type 4155 & 4189

MICROPHONE CAPSULES

SPECIFICATION SUMMARY

PARAMETER	MK:224	MK:226	MK:216	MK:215
Noise Floor	<15 dB(A)	<18 dB(A)	<18 dB(A)	<20 dB(A)
LF 3dB Point	<8Hz	<8Hz	<10Hz	<12Hz
HF 3dB Point	>20kHz	>18kHz	>13.5kHz	>10kHz
Sensitivity	50mV/Pa	37mV/Pa	37mV/Pa	37mV/Pa
Accuracy	Class 1+	Class 1	Class 2+	Class 2

OVERVIEW

The Class+ Microphones are a range of high performance 1/2" Pre-polarised Electret condenser capsules designed for use on Sound Level Meters and Noise Measurement Equipment. A summary of the specifications are shown above.

All of the Class + capsules are based on the same technology, with all of the capsules being mechanically compatible. At the top of the range, the MK:224 capsule is fitted to several leading brands of Sound Level Meters as well as PC based instruments and Noise Monitoring Systems.

In many applications, the use of the most accurate microphone capsule is excessive, and a lower specification can be accepted. In these situations, the Class+ microphone capsules are ideal replacements for existing units at significantly lower cost, often less than 50% of competing units in OEM applications.

The MK:224 is the most accurate and stable of the Class+ Microphone capsules and is used on the Cirrus Research plc Type 1 Sound Level Meters, Noise Analysers and Noise Monitoring Systems.





ACCESSORIES

No range of microphone capsules is complete on its own, and Cirrus Research plc provide a wide range of accessories including preamplifiers, power supplies, windshield and extension cables as well as rainshields and other specialised accessories.

In addition to the Class+ range of capsules, Cirrus Research plc can also provide more specialised capsules as well as complete outdoor microphone systems.

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MICROPHONE CAPSULES

OVERVIEW CONT...

The excellent long term stability and temperature stability allow the capsule to be used in long term outdoor monitoring applications, and has been in use in Cirrus Research plc Airport Noise Monitoring systems over periods of many years. The Class+ Microphone Series includes three other microphone capsules, the MK:226 Class 1, MK:216 Class 2+ and the MK:215 Class 2.

These capsules are produced using the same design and technology as the leading MK:224 capsule, but have reduced specifications.

TECHNICAL SPECIFICATIONS

Full technical specifications for all of the Class+ Microphone Capsules are available on request from Cirrus Research plc or your local representative.

The Class+ Microphone Capsule Technical Specification Datasheet provides detailed information about the capsules and further information about the range of accessories and options available.



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