



CR:110AIS

intrinsically safe doseBadge noise dosimeter



The CR:110AIS is the Intrinsically Safe version of the doseBadge Personal Noise Dosimeter from Cirrus Research plc.

The doseBadge is a unique solution to the problems associated with the measurement of personal noise exposure.

Small, light and simple to operate, the doseBadge provides the parameters essential for occupational noise assessments

The CR:110AIS unit has the same noise measurement functions as the standard CR:110A version with the additional Intrinsic Safety Certification. This allows the CR:110AIS to be used in hazardous zones, for example in underground mines and petrochemical plants.

The CR:110AIS currently has ATEX, EEx, IECEx, SIMTARS & SABS Certifications and details of these are on the back of this datasheet. Other Approvals and Certifications are pending.

Additional certification may also be available for the CR:110AIS other than that specified in this datasheet. Please contact your local representative or Cirrus Research plc for further details.

There are many different levels of Intrinsic Safety Certification and Cirrus Research plc recommends that users check that the level of certification provided by the CR:110AIS meets the requirements of the area in which it will be used.





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ATEX, EEx & IECEx Certification

The CR:110AIS version of the CR:110A doseBadge carries ATEX, EEx & IECEx Certification as follows:

Group II Non-Mining Applications

CR:110AIS Personal Noise Dosimeter Certificate No. Baseefa04ATEX0330

CE Ex II 1 G EEx ia IIC T4 (-20°C ≤ Ta ≤ +60°C) Ex ia IIC T4 (-20°C ≤ Ta ≤ +60°C)

Group I Mining Applications

CR:110AIS Personal Noise Dosimeter Certificate No. Baseefa04ATEX0331X

CE Ex I M1 G EEx ia I (-20°C ≤ Ta ≤ +60°C) Ex ia I (-20°C ≤ Ta ≤ +60°C)

SIMTARS Certification

The CR:110AIS carries and IECEx Certification for SIMTARS for Mining Applications as follows:

Ex ia I (-20°C ≤ Ta ≤ +60°C), Certificate IECEx SIM 07.0004X

SABS Certification

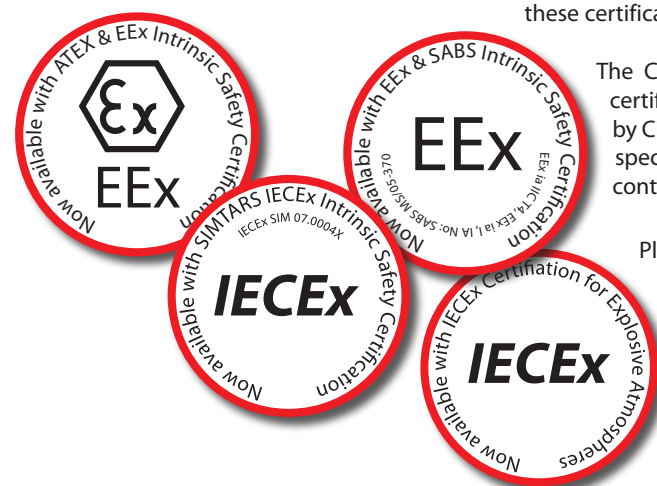
The CR:110AIS carries a South African Bureau of Standards (SABS) Certification as follows for both Group II Non-Mining and Group I Mining Applications:

EEx ia IIC T4, EEx ia I, IA No: SABS MS/05-370

Please refer to the documentation supplied with the CR:110AIS or contact your local representative for full details of these certifications. Other certifications may be available for the CR:110AIS.

The CR:110AIS doseBadge is the only component of the doseBadge system which has been certified and it should only be used with the accessories supplied or with those provided for use by Cirrus Research plc. The use of any other accessory or parts not supplied by Cirrus Research plc specifically for use with the CR:110AIS may render the Intrinsic Safety Certification invalid. Please contact Cirrus Research plc or your local representative for further information.

Please note that the RC:110A Reader Unit and the RC:101A Keyfob Remote Control are not certified for use in hazardous zones and the doseBadge must be started before entering any hazardous zones.



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CR:110AIS/01/08/04