

UK Sampling Gauges Ltd

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ATEX DETAILS

The ATEX Certificate demonstrates that our Sampling Equipment complies with the Essential Health & Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres.

The following details outline the conditions the equipment listed below is safe to be used under.

- Closed Sampling Kits (MK 7, MK 10, MK 12, and MK 14)
Certificate number: **SIRA 14ATEX6218X**
- Open Sampling Kits (MK 1A)
Certificate number: **SIRA 15ATEX6247X**

The equipment carries the following marking:  **II 1G IIC c T3**

These symbols refer to the operating conditions under which it is safe to use the equipment.

II refers to the Equipment Group, “Surface Industries” (as distinct from underground mining)

1G refers to the Environment Category, “Use in an area where an explosive atmosphere may be present continuously, and where that atmosphere contains flammable gases” (as distinct from dust)

IIC refers to the Gas Group, “Above ground and the most easily ignited gases”


c refers the Type of Protection, “Constructional Safety”, meaning that ignition hazards have been eliminated by good engineering methods in design and manufacture

T3 refers to the temperature class for which the equipment is certified, being a maximum surface temperature of 200°C, such as might occur under fault conditions

In addition, the marking includes a reference to the ambient temperature range -20°C to +70°C, for which the equipment has been designed.

Also, there are special conditions for safe use of the equipment, indicated by the letter “X” after the Certificate Number. These are:

- a) the earth lead that is attached to the metal body of the equipment must be clamped to a metal part of the tank structure before operating the equipment, and
- b) the equipment should be wiped with a damp cloth only, to eliminate electrostatic charging hazard

The equipment also carries the marking  0518, to identify SIRA as the issuing authority.

The relevant Assessment Standards covering the design and use of non-electrical equipment intended for use in potentially explosive atmospheres are:

- EN 13463-1:2009 (basic methods and requirements)
- EN 13463-5:2011 (protection by constructional safety features “c”)

*Other products in our range are planned to be submitted for approval in the future.
Please contact us for further details.*