



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No: **IECEX CML 21.0114X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-11-01
Applicant: **UK Sampling Gauges Limited**
Building 1
Roman Bank
Bourne, Lincolnshire, PE10 9LQ
United Kingdom
Equipment: **MK 1A WINDER Open Sampling Kit & WINDER Mechanical Sampling Gauge Range - MK7, 10, 12 and 14 - closed sampling kit**
Optional accessory:
Type of Protection: **Non-Electrical "h" (Constructional Safety)**
Marking: **Ex h IIC T3 Ga**
Ambient Temperature Range: -20°C to +70°C

Approved for issue on behalf of the IECEx
Certification Body:

R C Marshall

Position:

Operations Manager

Signature:
(for printed version)

Date:

2021-11-01

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom



eurofins





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Manufacturer: **UK Sampling Gauges Limited**
Building 1
Roman Bank
Bourne, Lincolnshire, PE10 9LQ
United Kingdom

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition: 1.0

ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition: 1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

GB/CML/ExTR21.0258/00

Quality Assessment Report:

GB/CML/QAR20.0029/00



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

MK 1A WINDER Open Sampling Kit

The MK 1A WINDER Open Sampling Kit is specifically designed to extract samples from oil tanks.

WINDER Mechanical Sampling Gauge

The WINDER Mechanical Sampling Gauge Range which includes the MK7, MK10, MK12 and MK14 models is a range of mechanical sampler devices designed specifically for use in association with vapour control valves on oil tankers.

Refer to Annex for full description and conditions of manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for specific conditions of use.

Annex:

IECEX CML 21.0114X Iss. 0 Certificate Annex.pdf

Annexe to: IECEx CML 21.0114X Issue 0
Applicant: UK Sampling Gauges Limited
Apparatus: MK 1A WINDER Open Sampling Kit
 WINDER Mechanical Sampling Gauge Range - MK7, 10, 12 and 14 - closed sampling kit

Description

MK 1A WINDER Open Sampling Kit

The MK 1A WINDER Open Sampling Kit is specifically designed to extract samples from oil tanks. They comprise a range of sampler devices that are listed in Table 1 below.

The equipment comprises three principal components that are fitted together to form a single assembly as follows:

- The Reel and Hub assembly, containing the reel hub and reel winding mechanism, a wire guide arm mechanism and stainless steel multi-strand wire, a supporting leg (strut), an earth grounding cable, the counter mechanism and a hook to which the associated sampler devices can be attached.
- The cable wiper assembly, which is fitted to the wire guide arm mechanism, and supports the wire wiper body by means of two support arms that are mounted onto the wiper body. The cable wiper assembly includes two pairs of brushes, which are mounted into stainless steel backings that in turn are affixed to the cable wiper body.
- A stainless steel or brass sampler tube or alternatively for the ALSBV 502 and ALSBV 1002 a stainless steel frame that houses a glass bottle, which is fitted with a venting tube, probe and adjustable float valve mechanism.

Table 1

Product Name	Sampler Designation
MK 1A WINDER Open Sampling Kit	ALBTMS 382
	ALBTMS 501
	ALBTMS 502
	ALBTMS 1001
	ALBTMS 1002
	BTMS 101
	BTMS 102
	BTMS 301
	BTMS 302
	BTMS 1002
	ALS 501 (Brass)
	ALS 502 (Stainless Steel)
	ALS 542
	ALS 1001 (Brass)
	ALS 1002 (Stainless Steel)
ALS 1501 (Brass)	
ALS 1502 (Stainless Steel)	
ALSBV 502	
ALSBV 1002	

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WINDER Mechanical Sampling Gauge Range - MK7, 10, 12 and 14 - Closed Sampling Kit

The WINDER Mechanical Sampling Gauge Range which includes the MK7, MK10, MK12 and MK14 models is a range of mechanical sampler devices designed specifically for use in association with vapour control valves on oil tankers.

The equipment comprises two principal components:

- The reel housing, containing the winding reel, the steel tape and a hook to which the associated samplers can be attached.
- The main tube supports the reel housing and encloses the sampler. The main tube of the MK7, MK10, MK12 and MK14 models comes with an integral flange (or a coupler as required) that enables it to be fitted directly, and if required permanently, to a suitably sized flange.

These two components are sealed together to form an assembly, which is fitted securely to an associated vapour control valve. The reel housing can be lifted vertically on its support strut, giving access to the sampler, while the winder remains in position on the vapour control valve. The support strut has an automatic locking mechanism built-in so that the reel housing stays in the open position while samplers and/or bottles are changed over.

The Winder MK7, MK10, MK12 and MK14 models comprise a range of associated samplers and ancillary products, which are listed in Table-2 below. The Winder MK10, MK12 and MK14 models also incorporate a hand-operated vacuum pump to reduce the internal pressure before opening the winder.

Table 2

Model Designation	Sampler Designation	Ancillary Product Designation
MK7	ALS 542 Any-level (Spot) Sampler BTMS 302 Bottom Sampler RNS 542 Running Sampler	SR2 Sounding Rod WA1 Adaptor WA2 Adaptor WA3 Adaptor WA4 Adaptor
MK10	ALSB-V 502 Sampler ALSB-V 1002 "Dijkstra" Sampler ALS 1089 Any-level Sampler RNS 1076 Running Sampler BTMS 1002 Sampler	SR2 Sounding Rod WFR Water Finding Rule Hand-operated vacuum pump
MK12	ALS 1089 Any-level Sampler RNS 1076 Running Sampler BTMS 1002 Sampler	SR2 Sounding Rod WFR Water Finding Rule Hand-operated vacuum pump
MK14	ALSB-V 1002 "Dijkstra" Sampler BTMS 1002 Sampler BTMS 302 Bottom Sampler	SR2 Sounding Rod WFR Water Finding Rule Hand-operated vacuum pump



Conditions of Manufacture

None.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. An earth lead is permanently attached to the metal body of the equipment. This lead shall be clamped to a suitable earth point before operating the equipment.