



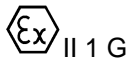
## EU Type Examination Certificate CML 21ATEX6978X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **MK 1A WINDER Open Sampling Kit**  
**WINDER Mechanical Sampling Gauge Range - MK7, 10, 12 and 14 - closed sampling kit**
- 3 Manufacturer **UK Sampling Gauges Limited**
- 4 Address **Building 1, Roman Bank,  
Bourne, Lincolnshire, PE10 9LQ,  
United Kingdom**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN ISO 80079-36:2016

EN ISO 80079-37:2016

- 10 The equipment shall be marked with the following:



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Ta= -20°C to +70°C





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## 11 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**

<b>Model Designation</b>	<b>Sampler Designation</b>	<b>Ancillary Product Designation</b>
<b>MK7</b>	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
<b>MK10</b>	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
<b>MK12</b>	ALS 1089 Any-level Sampler RNS 1076 Running Sampler BTMS 1002 Sampler	SR2 Sounding Rod WFR Water Finding Rule Hand-operated vacuum pump
<b>MK14</b>	ALSB-V 1002 "Dijkstra" Sampler BTMS 1002 Sampler BTMS 302 Bottom Sampler	SR2 Sounding Rod WFR Water Finding Rule Hand-operated vacuum pump



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## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	01 Nov 2021	R14238A/00	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

None

## 14 Specific Conditions of Use (Special Conditions)

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.

# Certificate Annex



**Certificate Number** CML 21ATEX6978X  
**Equipment** MK 1A WINDER Open Sampling Kit  
WINDER Mechanical Sampling Gauge Range - MK7, 10,  
12 and 14 - closed sampling kit  
**Manufacturer** UK Sampling Gauges Limited

The following documents describe the equipment or component defined in this certificate:

## Issue 0

### MK 1A WINDER Open Sampling Kit

Drawing No	Sheets	Rev	Approved date	Title
4240	1 of 1	B	01 Nov 2021	Reel Assembly For Depth Counter
4240E	1 of 1	A	01 Nov 2021	Reel Assembly For Depth Counter – Exploded View
4204	1 of 1	A	01 Nov 2021	Hub Assembly
4204E	1 of 1	A	01 Nov 2021	Hub Assembly – Exploded View
4200	1 of 1	B	01 Nov 2021	MK1A Winder Assembly
4277A	1 of 1	A	01 Nov 2021	Counter Drive Arrangement
4225	1 of 1	A	01 Nov 2021	Cable Wiper Body Assembly
4230	1 of 1	A	01 Nov 2021	Cable Wiper Brush
4275	1 of 1	B	01 Nov 2021	Counter Driven Gear
4247	1 of 1	B	01 Nov 2021	Counter Driving Gear
1750	1 of 1	A	01 Nov 2021	BTMS 101 Bottom Sampler Assembly Hook
1750E	1 of 1	A	01 Nov 2021	BTMS 101 Bottom Sampler Assembly Hook - Exploded View
1800	1 of 1	A	01 Nov 2021	BTMS 102 Bottom Sampler Assembly Hook
1800E	1 of 1	A	01 Nov 2021	BTMS 102 Bottom Sampler Assembly Hook - Exploded View
1680	1 of 1	B	01 Nov 2021	BTMS 301 Bottom Sampler Assembly Hook
1680E	1 of 1	A	01 Nov 2021	BTMS 301 Bottom Sampler Assembly Hook - Exploded View
1746	1 of 1	B	01 Nov 2021	BTMS 302 Bottom Sampler Assembly Hook
1746E	1 of 1	A	01 Nov 2021	BTMS 302 Bottom Sampler Assembly Hook - Exploded View
1860	1 of 1	A	01 Nov 2021	BTMS 1002 Bottom Sampler Assembly
1860E	1 of 1	A	01 Nov 2021	BTMS 1002 Bottom Sampler Assembly Hook - Exploded View
0430	1 of 1	B	01 Nov 2021	ALS 501 All Level Sampler Hook – Brass

# Certificate Annex

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WINDER Mechanical Sampling Gauge Range - MK7, 10,  
12 and 14 - closed sampling kit  
**Manufacturer** UK Sampling Gauges Limited



Drawing No	Sheets	Rev	Approved date	Title
0430E	1 of 1	A	01 Nov 2021	ALS 501 All Level Sampler Hook – Brass Exploded View
0480	1 of 1	B	01 Nov 2021	ALS 502 All Level Sampler Hook – Stainless Steel
0480E	1 of 1	A	01 Nov 2021	ALS 502 All Level Sampler Hook – Stainless Steel - Exploded View
0601	1 of 1	B	01 Nov 2021	ALS 542 Assembly (For Hook)
0601E	1 of 1	A	01 Nov 2021	ALS 542 Assembly (For Hook) - Exploded View
0695	1 of 1	B	01 Nov 2021	ALS 1001 All Level Sampler Hook – Brass
0695E	1 of 1	A	01 Nov 2021	ALS 1001 All Level Sampler Hook – Brass Exploded View
0745	1 of 1	B	01 Nov 2021	ALS 1002 All Level Sampler Hook – Stainless Steel
0745E	1 of 1	A	01 Nov 2021	ALS 1002 All Level Sampler Hook – Stainless Steel - Exploded View
0845	1 of 1	B	01 Nov 2021	ALS 1501 All Level Sampler Hook – Brass
0845E	1 of 1	A	01 Nov 2021	ALS 1501 All Level Sampler Hook – Brass Exploded View
0895	1 of 1	B	01 Nov 2021	ALS 1502 All Level Sampler Hook – Stainless Steel
0895E	1 of 1	A	01 Nov 2021	ALS 1502 All Level Sampler Hook – Stainless Steel - Exploded View
3440	1 of 1	B	01 Nov 2021	ALSB-V 502 Universal Sampler
3440E	1 of 1	A	01 Nov 2021	ALSB-V 502 Universal Sampler – Exploded View
3540	1 of 1	B	01 Nov 2021	ALSB-V 1002 Sampler Assembly Hook
3540E	1 of 1	A	01 Nov 2021	ALSB-V 1002 Sampler Assembly Hook – Exploded View
3525	1 of 1	A	01 Nov 2021	ALSB-V Adjustable Float Assembly
0200	1 of 1	B	01 Nov 2021	ALBTMS 382 Sampler Assembly Hook
0200E	1 of 1	A	01 Nov 2021	ALBTMS 382 Sampler Assembly Hook – Exploded View
0050A	1 of 1	B	01 Nov 2021	ALBTMS 502 Sampler Assembly Hook

# Certificate Annex



**Certificate Number** CML 21ATEX6978X  
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WINDER Mechanical Sampling Gauge Range - MK7, 10,  
12 and 14 - closed sampling kit  
**Manufacturer** UK Sampling Gauges Limited

Drawing No	Sheets	Rev	Approved date	Title
0050AE	1 of 1	A	01 Nov 2021	ALBTMS 502 Sampler Assembly Hook - Exploded View
0100A	1 of 1	B	01 Nov 2021	ALBTMS 1001 Sampler Hook
0100AE	1 of 1	A	01 Nov 2021	ALBTMS 1001 Sampler Hook – Exploded View
0150A	1 of 1	B	01 Nov 2021	ALBTMS 1002 Sampler Hook
0150AE	1 of 1	A	01 Nov 2021	ALBTMS 1002 Sampler Hook – Exploded View
MK 1A	1 to 2	1	01 Nov 2021	List of Materials
BTMS 101	1 of 1	1	01 Nov 2021	List of Materials
BTMS 102	1 of 1	1	01 Nov 2021	List of Materials
BTMS 301	1 of 1	1	01 Nov 2021	List of Materials
BTMS 302	1 of 1	1	01 Nov 2021	List of Materials
BTMS 1002	1 of 1	1	01 Nov 2021	List of Materials
ALSBV 502	1 of 1	1	01 Nov 2021	List of Materials
ALSBV 1002	1 of 1	1	01 Nov 2021	List of Materials
ALS 501	1 of 1	1	01 Nov 2021	List of Materials
ALS 502	1 of 1	1	01 Nov 2021	List of Materials
ALS 542 BBE	1 of 1	1	01 Nov 2021	List of Materials
ALS 1001	1 of 1	1	01 Nov 2021	List of Materials
ALS 1002	1 of 1	1	01 Nov 2021	List of Materials
ALS 1501	1 of 1	1	01 Nov 2021	List of Materials
ALS 1502	1 of 1	1	01 Nov 2021	List of Materials
ALBTMS 382	1 of 1	1	01 Nov 2021	List of Materials
ALBTMS 501	1 of 1	1	01 Nov 2021	List of Materials
ALBTMS 502	1 of 1	1	01 Nov 2021	List of Materials
ALBTMS 1001	1 of 1	1	01 Nov 2021	List of Materials
ALBTMS 1002	1 of 1	1	01 Nov 2021	List of Materials
4776	1 of 1	D	01 Nov 2021	ATEX / IECEx LABEL MK1A Winder Open Sampling Kit WINDER MECHANICAL SAMPLER GAUGE RANGE MK7/MK10/MK12/MK14 CLOSED SAMPLING KIT

Unless otherwise stated all the above drawings refer to IECEx and ATEX.

# Certificate Annex

**Certificate Number** CML 21ATEX6978X  
**Equipment** MK 1A WINDER Open Sampling Kit  
WINDER Mechanical Sampling Gauge Range - MK7, 10,  
12 and 14 - closed sampling kit  
**Manufacturer** UK Sampling Gauges Limited



## WINDER Mechanical Sampling Gauge Range - MK7, 10, 12 and 14 - closed sampling kit

Drawing No	Sheets	Rev	Approved date	Title
A7/1000B	1 of 1	B	01 Nov 2021	MK7 Winder with samplers and accessories - General Arrangement Drawing
0600	1 of 1	A	01 Nov 2021	ALS 542 Spot Sampler Assembly
0617	1 of 1	A	01 Nov 2021	ALS 542 Bottom Cap Assembly
0602	1 of 1	A	01 Nov 2021	ALS 542 Top Cap Assembly
1700	1 of 1	A	01 Nov 2021	BTMS 302 Bottom Sampler
1707	1 of 1	A	01 Nov 2021	BTMS 302 Bottom Valve Assembly
1730	1 of 1	A	01 Nov 2021	BTMS 302 Top Valve Assembly
2017	1 of 1	A	01 Nov 2021	RNS Bottom Cap Assembly
2000	1 of 1	A	01 Nov 2021	RNS 542 Running Sampler
6201	1 of 1	A	01 Nov 2021	MK7 Winder Adaptor 1 (WA1 Adaptor)
6211	1 of 1	A	01 Nov 2021	MK7 Winder Adaptor 2 (WA2 Adaptor)
6221	1 of 1	A	01 Nov 2021	MK7 Winder Adaptor 3 (WA3 Adaptor)
6231	1 of 1	A	01 Nov 2021	MK7 Winder Adaptor 4 (WA4 Adaptor)
A10/1000B	1 of 1	B	01 Nov 2021	MK10 Winder with samplers - General Arrangement Drawing
3667	1 of 1	A	01 Nov 2021	ALS 1089 Bottom Valve Assembly
3650	1 of 1	A	01 Nov 2021	ALS 1089 Spot Sampler
3651	1 of 1	A	01 Nov 2021	ALS 1089 Top Valve Assembly
3400	1 of 1	A	01 Nov 2021	ALSB-V 502 Universal Sampler
3500	1 of 1	A	01 Nov 2021	ALSB-V 1002 Universal Sampler
3425	1 of 1	A	01 Nov 2021	ALSB-V 502 Adjustable Float Assembly
3415	1 of 1	A	01 Nov 2021	ALSB-V 502 Air Release Valve Assembly
3525	1 of 1	A	01 Nov 2021	ALSB-V 1002 Adjustable Float Assembly
3515	1 of 1	A	01 Nov 2021	ALSB-V 1002 Air Release Valve Assembly
1850	1 of 1	A	01 Nov 2021	BTMS 1002 Bottom Sampler
3550	1 of 1	A	01 Nov 2021	RNS 1076 Running Sampler
3552	1 of 1	A	01 Nov 2021	RNS Top Valve Assembly
3567	1 of 1	A	01 Nov 2021	RNS Bottom Valve Cap Assembly



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**Manufacturer** UK Sampling Gauges Limited



Drawing No	Sheets	Rev	Approved date	Title
A12/1000B	1 of 1	B	01 Nov 2021	MK12 Winder with samplers - General Arrangement Drawing
A14/1000B	1 of 1	B	01 Nov 2021	MK14 Winder with samplers and accessories - General Arrangement Drawing
2762	1 of 1	A	01 Nov 2021	Steel Tape
2751	1 of 1	A	01 Nov 2021	Reel Disk
7000	1 of 1	A	01 Nov 2021	Water Finding Rule (WFR)
6260	1 of 1	A	01 Nov 2021	Sounding Rod
2773	1 of 1	A	01 Nov 2021	MK7 WINDER HEADSTOCK - LABEL Location
3112	1 of 1	A	01 Nov 2021	MK 10 Vacuum pump assembly
3362	1 of 1	A	01 Nov 2021	MK 12 Vacuum pump assembly
4862	1 of 1	A	01 Nov 2021	MK 14 Vacuum pump assembly
2853	1 of 1	A	01 Nov 2021	Earthing Lead Assembly MK7, MK10, MK12
4853	1 of 1	A	01 Nov 2021	Earthing Assembly MK14
2740	1 of 1	B	01 Nov 2021	Case Lid MK 7 Winder
2990	1 of 1	B	01 Nov 2021	Case Lid MK 10 Winder
3240	1 of 1	B	01 Nov 2021	Case Lid MK 12 Winder
4740	1 of 1	B	01 Nov 2021	Case Lid MK 14 Winder
MK7	1 of 5	3	01 Nov 2021	MK7 List of Materials
MK10	1 of 5	3	01 Nov 2021	MK10 List of Materials
MK12	1 of 5	3	01 Nov 2021	MK12 List of Materials
MK14	1 of 5	3	01 Nov 2021	MK14 List of Materials
2775	1 of 1	-	01 Nov 2021	Label Location
4776	1 of 1	D	01 Nov 2021	ATEX / IECEx LABEL MK1A Winder Open Sampling Kit WINDER MECHANICAL SAMPLER GAUGE RANGE MK7/MK10/MK12/MK14 CLOSED SAMPLING KIT