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# Технические характеристики на наборы для закрытого и ограниченного отбора проб МК 2/2 R, МК 2, МК 14, МК 12, МК 10, МК 7, МК 17 компании **UK Sampling Gauges**



## ATEX Approved MK 7 Closed Sampling System (2-inch)

### Applications

This system meets the need for taking accurate samples of cargoes under closed conditions, and where sample sizes of up to 500 ml are required.

The “heart” of the system is the MK 7 Winder, which fits directly onto a 2-inch (50 mm) vapour control valve. Coupling and adaptors are provided to suit.

The MK 7 Winder offers the following unique features:

- A completely closed winding mechanism, so that vapour and/or gas present above the cargo are prevented from escaping while sampling is in progress. The operator and the environment are protected.
- Our winding handle, which locks the reel automatically as soon as the operator releases the winding knob.
- A mechanical depth counter, showing the operator the depth of the sampler at all times.
- Special hook with a “bayonet” feature, enabling rapid changeover of samplers, and guaranteeing electrical continuity throughout the system, to ensure maximum safety.
- A complete range of sampling equipment, capable of passing through 2-inch vapour control valves, is available for use with this winder, delivering accurate samples under safe conditions.
- The winder also has a built-in emptying system, so that the sample can be transferred directly into a collecting bottle, without the need to remove the sampler from the winder, giving speedy transfer of the sample, with no mess on the deck!

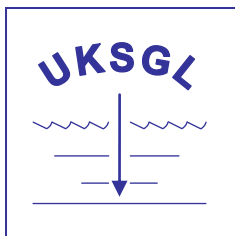


MK 7 Winder with MMC type coupling  
(alternative coupling available to suit)

Reliability is a key feature of our sampling equipment that helps to avoid repetitive sampling, saving time and money.

Please contact us if you require further information about this or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.

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## ATEX Approved MK 7 Closed Sampling System (2-inch)

### Winder Specifications:

<b>Height of Winder Open</b>	114 cm
<b>Height of Winder Closed</b>	94 cm
<b>St/St Tape Length</b>	32m x 14mm

### Sampling Equipment included in the System, for use with MK 7 Winder



The complete kit in its storage/transit case



RNS  
Running  
Sampler



SR 2  
Sounding  
Rod



BTMS 302  
Bottom  
Sampler



ALS 542  
Spot  
Sampler

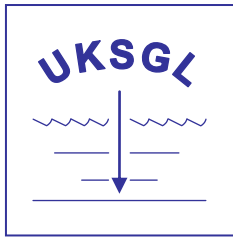


Maintenance Repair Kit



Adaptors

Please contact us if you want further information about these or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.



## ATEX Approved MK 10 Closed Sampling System (4-inch)

### Applications

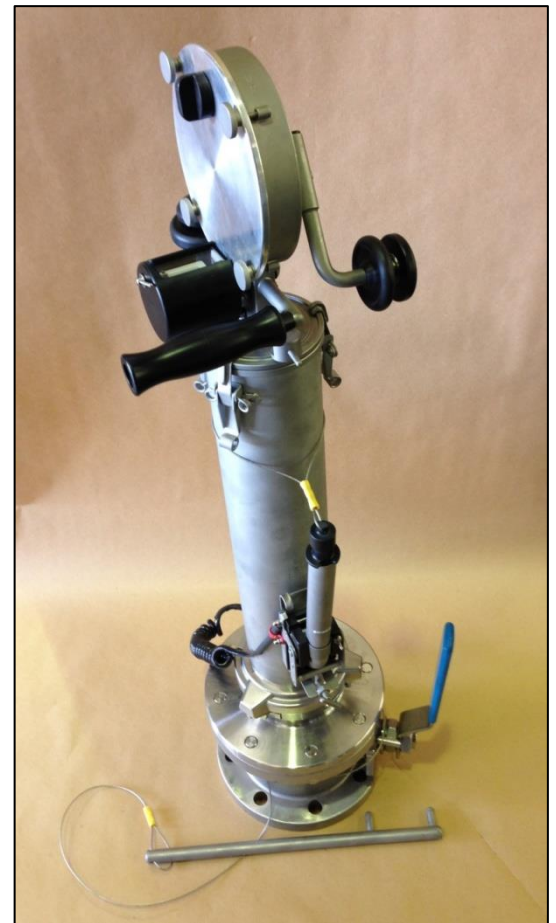
Wherever there is a need to take accurate samples of liquid cargo on-board, without allowing the leakage of vapour during the process, this equipment offers an ideal solution.

Soundly constructed, light and manageable, practical, operator-friendly and durable in service, it offers a cost-effective solution to the problem of liquid sampling under closed conditions.

The “heart” of this new system is our new MK 10 Winder, offering the following benefits:

- fully enclosed winding mechanism
- mechanically-driven depth counter
- sampler change-over without mess, thanks to a novel opening system and vacuum pump
- “bayonet” fitting between sampler and winder, giving quick changeover between sampling devices, while ensuring electrical continuity throughout the system, for reasons of safety.

In operation, the winder is mounted directly onto the vessel's vapour lock valves.

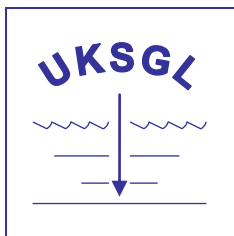


MK 10 Winder mounted on our 4-inch full-flow ball valve and flange

The system can accept 2-inch equipment for dipping and gauging, and has an attachment point for gas sampling as well.

The system is fully compatible with a wide range of sampling and dipping devices from the **UK Sampling Gauges Ltd** range.

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## ATEX Approved MK 10 Closed Sampling System (4-inch)

### Winder Specifications:

<b>Height of Winder Open</b>	124cm
<b>Height of Winder Closed</b>	88cm
<b>St/St Tape Length</b>	32m x 16mm

### Sampling Equipment included with the system, for use with MK 10 Winder



'Bayonet' type hook



Transit Case



ALS-B-V 502 (500ml) **or** ALS-B-V 1002 (1L)  
All-Level & Spot Sampler



Any-Level Sampler  
ALS 1089 (1L)



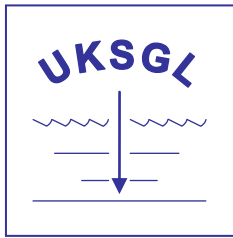
Bottom Sampler  
BTMS 1002 (1L)



Running Sampler  
RNS 1076 (1L)

Please contact us if you require further information about these or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.





## ATEX Approved MK 12 Closed Sampling System (4-inch)

### Applications

Wherever there is a need to take representative samples of liquid cargo on-board, without allowing the leakage of vapour during the process, this equipment offers an ideal solution.

Soundly constructed, light and manageable, practical, operator-friendly and durable in service, the MK 12 closed sampling system offers a cost-effective solution to the problem of liquid sampling under closed conditions.

At the "heart" of this system is the MK 12 Winder, offering the following unique benefits:

- fully enclosed winding mechanism
- mechanically-driven depth counter
- transfer of the sample to collecting bottle without mess, thanks to a novel emptying system
- "bayonet" fitting between sampler and winder, giving quick changeover between sampling devices, while ensuring electrical continuity throughout the system, for reasons of safety.



In operation, the winder is mounted directly onto the vessel's vapour lock valves (coupling is provided to suit).

Reliability is a key feature of our sampling equipment that helps to avoid repetitive sampling saving time and money.

The system is fully compatible with a wide range of sampling and dipping devices from the **UK Sampling Gauges Ltd** range. Please ask for full details.

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## ATEX Approved MK 12 Closed Sampling System (4-inch)

### Winder Specifications:

<b>Height Closed</b>	72 cm
<b>Height open</b>	92 cm
<b>Stainless Steel Tape Length</b>	32m x 16mm

### Sampling Equipment included in the System, for use with MK 12 Winder



Transit Case



ALS 1089  
Any-Level Sampler



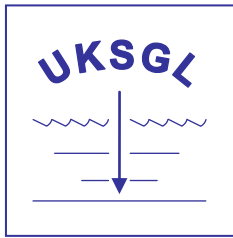
RNS 1076  
Running Sampler



BTMS 1002  
Bottom Sampler



Maintenance Repair Kit



## ATEX Approved MK 14 Closed Sampling System (5-inch)

### Applications

Wherever there is a need to take representative samples of liquid cargo on-board, without allowing the leakage of vapour during the process, this equipment offers an ideal solution.

Soundly constructed, light and manageable, practical, operator-friendly and durable in service, the MK 14 closed sampling system offers a cost-effective solution to the problem of liquid sampling under closed conditions.

At the heart of this system is the MK 14 Winder offering the following unique features:

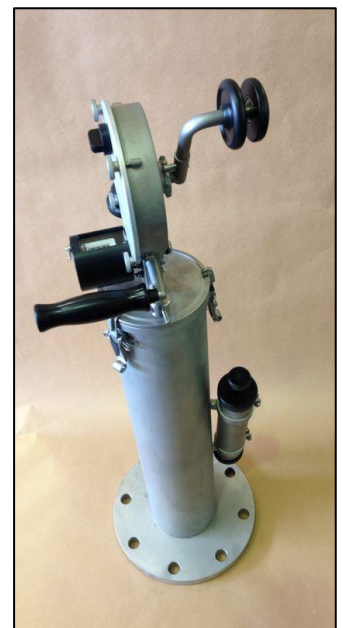
- A main housing, enclosing the reel with up to 30 metres of stainless steel tape.
- Mechanical depth Counter.
- An internal tape cleaning device, to reduce the amount of cargo adhering to the tape as it is reeled in.
- A quick-release "bayonet" hook design, giving rapid changeover between samplers, while ensuring electrical continuity throughout the system.
- A vacuum pump, to reduce the internal pressure on the winder tube, and to avoid any escape of vapour or liquid spray when opening the winder.
- An anti-overflow lock to prevent accidental damage to the tape.

The kit is operator friendly and environmentally friendly too!

Reliability is a key feature of our sampling equipment that helps to avoid repetitive sampling saving time and money.

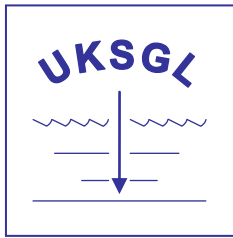


MK14 Winder



Main tube, showing vacuum pump and support strut





## ATEX Approved MK 14 Closed Sampling System (5-inch)

### Winder Specifications:

<b>St/St Tape Length</b>	32m x 16mm
<b>Height Closed</b>	86cm
<b>Height Open</b>	122cm

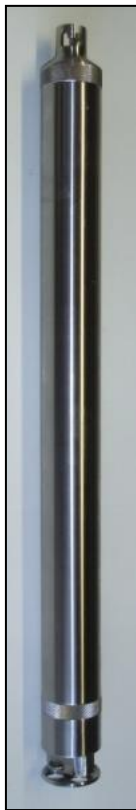
### Sampling Equipment included in the system, for use with MK 14 Winder



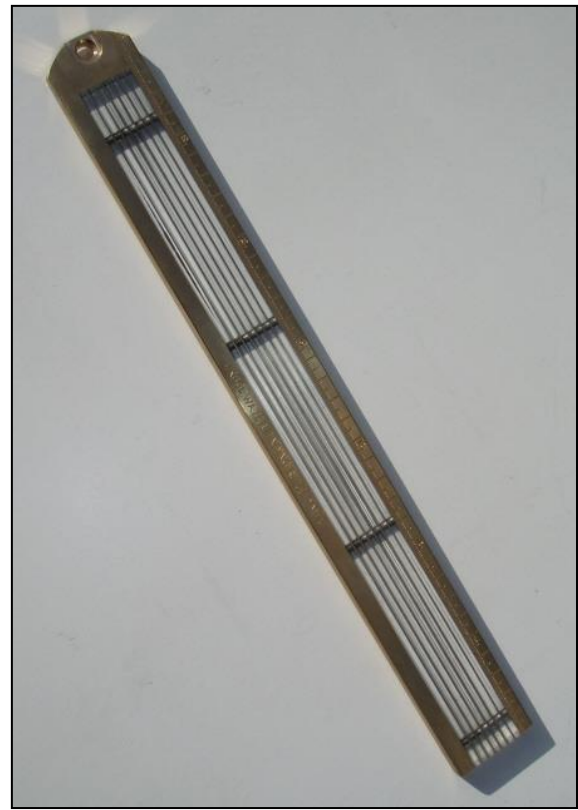
ALSB-V 1002 (1L)  
All-Level & Spot Sampler



Bottom Sampler  
BTMS 1002 (1L) **and/or**  
BTMS 302 (300ml)

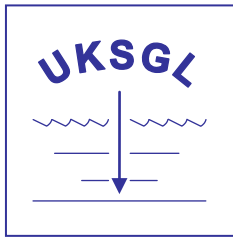


Water Finding Rule



Sounding  
Rod  
SR2

The system is fully compatible with a wide range of sampling and dipping devices from the **UK Sampling Gauges Ltd** range. Please ask for full details.



## MK 2 Restricted Sampling Kit

### Application

This Winder meets the need for taking accurate samples under restricted conditions, and where sample sizes of up to 500 ml are required. It will accept samplers with an overall diameter of up to 45 mm.

It is designed to fit directly onto a 2-inch (50 mm) vapour control valve, with coupling supplied to suit. The winder can also be supplied with an adaptor to suit alternate valve types. This feature is useful when sampling several different vessels with differing valve types.

The sampler itself is enclosed within the winder's main tube, so vapour and/or gas present above the cargo can escape only through the small gap in the top valve, through which the cable passes.

The winder incorporates our winding handle, which locks the reel automatically as soon as the operator releases the winding knob.

The winder includes a gear-driven depth counter, to give the operator a clear indication of the depth of the sampler at all times throughout the sampling process. It also has a built-in emptying system, so that the sample can be transferred directly into a collecting bottle, without the need to remove the sampler from the winder, giving speedy transfer of the sample, with no mess on the deck!



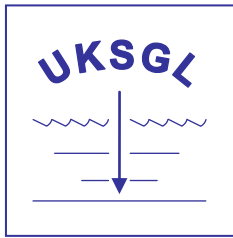
MK 2 Winder with MMC type valves  
(coupling available to suit)

### Winder Specifications

Sampling / Gauging depth	Up to 30m
Weight of winder	4.5kg
Sample volume	Up to 500ml
Material	316 Stainless Steel

The range of sampling equipment included in this system, for use with the MK 2 winder, offers representative samples under safe conditions saving time and money.

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## MK 2 Restricted Sampling Kit

Sampling Equipment included in the System, for use with MK 2 Winder



Transit Case



ALS 542  
Spot Sampler



RNS 542  
Running Sampler



BTMS 302  
Bottom Sampler



SR2  
Sounding Rod



Adaptors

Please contact us if you require further information about this or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.

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## MK 2/2 Restricted Sampling Kit

### Applications

The MK 2/2 Winder meets the need for sampling under restricted conditions, and where sample sizes of up to 1-litre are required. It will accept samplers with an overall diameter of up to 45 mm.

It is designed to fit directly onto a 2-inch (50 mm) vapour control valve, with coupling supplied to suit. The winder can also be supplied with an adaptor to suit alternate valve types. This feature is useful when sampling several different vessels with differing valve types.

The sampler itself is enclosed within the winder's main tube, so vapour and/or gas present above the cargo can escape only through the small gap in the top valve, through which the cable passes.

The winder incorporates our winding handle, which locks the reel automatically as soon as the operator releases the winding knob.

This version includes a gear-driven depth counter, to give the operator a clear indication of the depth of the sampler at all times throughout the sampling process.

The winder also has a built-in emptying system, so that the sample can be transferred directly into a collecting bottle, without the need to remove the sampler from the winder, giving speedy transfer of the sample, with no mess on the deck!

### Winder Specifications

Sampling / Gauging depth	Up to 30m
Weight of winder	6kg
Sample volume	Up to 1000ml
Material	316 Stainless Steel



MK 2/2 Winder  
with MMC Type 2-inch coupling  
(alternative coupling available to suit)

The range of sampling equipment included in this system, for use with the MK 2/2 winder, offers representative samples under safe conditions saving time and money.

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# UK Sampling Gauges Ltd

## MK 2/2 Restricted Sampling Kit



### Illustrations of the MK 2/2 Winder, and the Sampling Equipment



Top valve closed



Top valve open



Storm Proof Transit Case



ALS 1042



BTMS 302



SR 2



RNS 1042



Adaptors

### Optional Extras:

- Water Finding Rule WFR M14;
- Sediment Sampler SDMNT 201

Please contact us if you require further information about this or other equipment offered by **UK Sampling Gauges Ltd**, or if you require equipment to be adapted or modified.

### MK 17 Closed Sampling Kit

Up to 1000 ml	No	UKSGL Bottle	
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- MK 17 winder with depth counter
- ALBTMS 64
- RNS 1064
- Maintenance repair kit
- Storm Proof Transit Case



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