

**UNITED KINGDOM**  
**SIDEWAY-FORCE SKID RESISTANCE SURVEY DEVICES**  
**ACCREDITATION TRIAL SUMMARY TEST CERTIFICATE**

Report No: 0108SKID/S16 WDM Issue 10

**REGISTRATION NUMBER: S16 WDM**  
**TRIAL Reference No: 31**

Operated by **WDM Ltd**  
Of Staple Hill House, Staple Hill, Bristol

has participated in a United Kingdom Sideway-Force Coefficient Routine Investigation Machine Accreditation trial on **12 April 2022** at HORIBA-MIRA Proving Ground, Watling Street, Nuneaton, Warwickshire, CV10 0TU under the supervision of TRL.

The above machine has been tested against the criteria specified in Accreditation and Quality Assurance of Sideway-force Skid Resistance Survey Devices document<sup>1</sup> issue 4.1.

This machine has successfully met the mandatory criteria. Some Network Authorities may also require specific level of performance in some or all of the additional tests. The performance of this machine in each test is summarised in the Annex to this test certificate.

This certificate supersedes any previous certificates issued by TRL.

Signed on behalf of TRL Limited



Patrick Werro

Valid From: 14 April 2022  
Date of expiry: 14 May 2023

<sup>1</sup> This document is available from TRL or from the following website  
<https://ukrlg.ciht.org.uk/ukrlg-home/guidance/road-condition-information/data-collection/skid-resistance/>



## Test Certificate Annex

The following parameters must be passed to successfully meet the requirements of the accreditation trial.

Tested Parameter	Left wheel	Right wheel
<b>Skid Resistance</b>		
Between run standard deviation	Pass	No Data Supplied
Between equipment standard deviation	Pass	No Data Supplied
<b>Distance measurement and Vehicle Speed</b>		
Distance measured	Pass	
Vehicle Speed	Pass	
<b>Test wheel weight and water flow</b>		
Test wheel weight	202.0	No Data Supplied
Water flow rate	Pass	No Data Supplied
Water flow direction	Pass	No Data Supplied
<b>* Comments:</b>		

The following parameters were also tested/reviewed. They are not currently mandatory requirements, however some Network Authorities may also require specific level of performance in some or all of these additional tests.

Tested Parameter	Performance
OSGR coordinate measurement	High
Altitude measurement	High
Data alignment performance	Satisfactory
.S10 file format	Satisfactory
.LOC file format	Satisfactory
.RCD file format	Satisfactory
.BCD file format	Satisfactory
<b>Comments:</b>	
OSGR assessed against OSGR fitted and Automatic markers criteria on two live test routes.	