

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

Report No: 0127SKID/YD02 XSN Issue 12

REGISTRATION NUMBER: YD02 XSN
TRIAL Reference No: 29

Operated by **PTS**

Of Britannia House, 1 Rough Hey Road, Grimsargh, Preston

has participated in a United Kingdom Sideway-Force Coefficient Routine Investigation Machine Accreditation trial on **30 March 2023** 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 document¹ 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: 29 March 2023

Date of expiry: 29 April 2024

¹ 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
Skid Resistance		
Between run standard deviation	Pass	No Data Supplied
Between equipment standard deviation	Pass	No Data Supplied
Distance measurement and Vehicle Speed		
Distance measured	Pass	
Vehicle Speed	Pass	
Test wheel weight and water flow		
Test wheel weight	207.2	No Data Supplied
Water flow rate	Pass	Not Assessed
Water flow direction	Pass	Not Assessed
* Comments:		

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	Low*
Altitude measurement	Medium
Data alignment performance	Satisfactory
.S10 file format	Satisfactory
.LOC file format	Satisfactory
.RCD file format	Satisfactory
.BCD file format	Satisfactory
Comments:	
*OSGR system is overly affected by loss of satellite signal, and will provide lower quality results in these situations. OSGR assessed against OSGR fitted and Manual markers criteria on two live test routes.	