

**UNITED KINGDOM  
DYNAMIC PLATE TEST DEVICES  
ACCREDITATION TRIAL SUMMARY TEST CERTIFICATE**

**Report No: 0131DPT/8012 057 Issue 2**

**DYNATEST FWD 8012  
SERIAL NUMBER: 057  
TRL Reference No: 52**

Operated by **James Fisher Testing Services Ltd.**  
of **Ruby House, 40A Hardwick Grange, Woolston, Warrington**

has participated in a United Kingdom DPT Accreditation trial on **22 September 2020** at HORIBA-MIRA Proving Ground, Watling Street, Nuneaton, Warwickshire, CV10 0TU under the supervision of TRL.

The above machine has been tested against the accreditation requirements as provided in "Accreditation and Quality Assurance of Dynamic Plate Test Survey Devices" document<sup>1</sup> dated September 2020.

The performance in each test for this machine is summarised in the Annex to this test report.

This machine **has successfully met** the mandatory criteria for carrying out surveys on the Highways England Strategic Road Network.

This certificate supersedes any previous certificates issued by TRL.

Signed on behalf of TRL Limited



Patrick Werro

Valid From: 24 September 2020

Date of expiry: 24 October 2021

<sup>1</sup> This document is available from TRL or from the UKRLG website (<https://www.ciht.org.uk/ukrlg-home/guidance/road-condition-information/data-collection/dynamic-plate-test-devices-dpt/>).

## Test Report 0131DPT/8012 057 Issue 2 Annex

The following parameters cover the configuration of the DPT device.

Component	Parameter
Load plate type	4 Way segmented
Number of weights / buffers per side	4/2
Peak smoothing feature	Enabled

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

Tested Parameter	Performance
Standard deviation of load corrected deflections	Pass
Mean Field Calibration Factor (FCF) for all sensors	Pass
Field Calibration Factor (FCF) for individual sensors	Pass
Mean Standard Deviation of the Deviation Ratio (SDDR) for all sensors	Pass
SDDR for individual sensors	Pass
Distance Travelled	Pass
<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 level
OSGR coordinates (Easting and Northing)	High
Temperature at Depth	High
Surface temperature	High
Air temperature	High
<b>Comments:</b>	
3-dimensional location referencing data supplied as latitude and longitude. For this assessment the Auditor has completed the transformation to OSGRs. As such the contractor's coordinate transformation to OSGR has not been assessed.	