

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

Report No: 0156DPT/8012 002 Issue 7

**DYNATEST FWD 8012
SERIAL NUMBER: 002
TRL Reference No: 40**

Operated by **Dynatest**
of **Unit 12, Acorn Enterprise Centre, Hoo Farm Industrial Estate, Frederick Road, Kidderminster**

has participated in a United Kingdom DPT Accreditation trial on **25 September 2019** at MIRA Proving Ground, Watling Street, Nuneaton, Warwickshire, CV10 OTU 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" document¹ dated July 2016.

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: 25 September 2019

Date of expiry: 25 October 2020

¹ This document is available from TRL or from the RCMG website (<http://www.ukroadsliaisongroup.org/en/asset-condition/road-condition-information/data-collection/dynamic-plate-test-devices-dpt/index.cfm>).

Test Report 0156DPT/8012 002 Issue 7 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
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 level
OSGR coordinates (Easting and Northing)	Medium
Temperature at Depth	High
Surface temperature	High
Air temperature	Medium
Comments:	
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.	