

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

**Report No: 0156DPT/8002 098 Issue 1**

**DYNATEST FWD 8002  
SERIAL NUMBER: 098  
TRL Reference No: 53**

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" document<sup>1</sup> 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

<sup>1</sup> 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/8002 098 Issue 1 Annex

The following parameters cover the configuration of the DPT device.

| Component                            | Parameter          |
|--------------------------------------|--------------------|
| Load plate type                      | <b>4 Segmented</b> |
| Number of weights / buffers per side | <b>4/2</b>         |
| Peak smoothing feature               | <b>Enabled</b>     |

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

| Tested Parameter  | Performance |
|---|-------------|
| Standard deviation of load corrected deflections                      | <b>Pass</b> |
| Mean Field Calibration Factor (FCF) for all sensors                   | <b>Pass</b> |
| Field Calibration Factor (FCF) for individual sensors                 | <b>Pass</b> |
| Mean Standard Deviation of the Deviation Ratio (SDDR) for all sensors | <b>Pass</b> |
| SDDR for individual sensors   | <b>Pass</b> |
| Distance Travelled  | <b>Pass</b> |
| <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)  | <b>High</b>             |
| Temperature at Depth   | <b>Medium</b>           |
| Surface temperature  | <b>Medium</b>           |
| Air temperature  | <b>No Data Supplied</b> |
| <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. |                         |