

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

Report No: 0159DPT/PRI 2100 0903-088 Issue 4

**GRONTMIJ HWD PRI 2100
SERIAL NUMBER: 0903-088
TRL Reference No: 45**

Operated by **Atlas Geophysical Limited**
of **Garden House, Heol Giedd, Ystradgynlais, Wales**

has participated in a United Kingdom DPT Accreditation trial on **26 September 2018** at 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" document¹ dated July 2016.

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

This machine **has not 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 18 October 2018 for and on behalf of TRL Limited



Patrick Werro

Valid From: 26 September 2018
Date of expiry: 26 October 2019

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 0159DPT/PRI 2100 0903-088 Issue 4 Annex

The following parameters cover the configuration of the DPT device.

Component	Parameter
Load plate type	Solid
Number of weights / buffers per side	6/6
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	Fail
SDDR for individual sensors	Fail
Distance Travelled	Pass
Comments: This device met the FCF criteria, however did not compete a full set of tests following alterations to the machine.	

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)	No Data Supplied
Temperature at Depth	High
Surface temperature	Not Assessed
Air temperature	Medium
Comments: Device provided surface temperature data, assessment could not be completed because of problems establishing a reference dataset. Air temperatures assessed against fleet average.	