UNITED KINGDOM
DEFLECTOGRAPH
ACCREDITATION TRIAL SUMMARY TEST CERTIFICATE

Report No: 0114/B180 FBL Issue 11

DEFLECTOGRAPH
REGISTRATION NUMBER: B180 FBL
TRL Reference No: 3

Operated by **TRL** of **Crowthorne House, Nine Mile Ride, Wokingham**

has participated in a United Kingdom Deflectograph Accreditation trial on **11 March 2020** 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 Deflectograph Survey Devices" document[1] dated July 2016.

This machine **has sucessfully met** the mandatory criteria for carrying out surveys on the Highways England Strategic Road Network. Its performance in each test is summarised in the Annex to this test report.

This certificate supersedes any previous certificates issued by TRL.

Signed on 24 March 2020 for and on behalf of TRL Limited

Patrick Werro

Valid From: 11 March 2020
Date of expiry: 11 April 2021

[1]This document is available from TRL or from the following website http://www.ukroadsliaisongroup.org/en/asset-condition/road-condition-information/data-collection/deflectograph/index.cfm,.

Test Report Annex

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

Tested Parameter	Performance
Axle Weight Limits:	
Front Axle (recommended weight 4275-4725kg):	**4720kg**
Nearside Rear Wheel (permitted weight 2857-3493kg):	**3425kg**
Offside Rear Wheel(permitted weight 2857-3493kg):	**3435kg**
Main Deflection Tests:	
Standard Deviation from the fleet mean	**Pass**
Distance Measurement:	
Distance Measurement	**Pass**
Comments:	

The following parameters were also tested. However, they are not currently a mandatory requirement of the accreditation trial.

Parameter	Performance
Temperature Measurement: The operator is required to measure the temperature of the pavement at a 40mm deep pre-drilled hole. Some Deflectographs also have air and surface temperature sensors fitted. Performance is assessed as follows: HIGH: 80% of measurements within 1°C of reference MEDIUM: 50% of measurements within 1°C of reference LOW: 15% of measurements within 1°C of reference Very Low: Otherwise	
40mm Pavement Temperature Measurement	**High**
Air Temperature measurement	**No Data Supplied**
Surface Temperature measurement	**No Data Supplied**
Comments:	