



**HEDDLU
GOGLEDD CYMRU
NORTH WALES
POLICE**

Response Date: 17/06/2025

2025/581 - Speeding detection equipment

In response to your recent request for information regarding;

I am writing to make a formal request under the Freedom of Information Act 2000 regarding speed detection operations conducted by North Wales Police.

This request relates to public interest in understanding the standards, procedures, and equipment used in road traffic enforcement operations to ensure public confidence in road safety measures.

Specific Location and Time Details:

- **Location:** A494 Bala, Gwynedd
- **Date:** 13th April 2025
- **Time:** Approximately 11:49 am
- **Equipment Type:** Manned speed detection equipment

Information Requested:

1. Equipment Specifications and Type Approval

- **Make, model, and type of speed detection device(s) deployed at A494 Bala, Gwynedd on 13th April 2025**
LTI 2020 Ultralyte 1000.
- **Home Office Type Approval certificate and reference number for the device(s) used**
HOTA certificates attached.
- **Maximum certified operating range and accuracy specifications for the equipment**
The LTI 20.20 Ultralyte 1000 is designed to accurately detect the speed of vehicles up to 1000 metres.
- **Technical specifications regarding measurement accuracy at distances of 90-100 meters**
No information held by North Wales Police.
Any technical data request should be made to the manufacturer – Laser Tech UK.
- **Any operational limitations or environmental conditions specified in the type approval**
No information held by North Wales Police.
Please contact the manufacturer for this information – Laser Tech UK.

2. Calibration and Maintenance Records

- **Calibration certificate for the speed detection device used at this location on 13th April 2025**
Calibration Certificate attached.
- **Date of most recent calibration prior to 13th April 2025**
Calibrated on 08/07/2024.
- **Maintenance and service records for the device for the period January 2025 to April 2025**
No scheduled maintenance or servicing was scheduled during this time.
- **Any fault reports or accuracy issues recorded for the equipment**
None for the period between January 2025 and April 2025.

Pencadlys yr Heddlu,
Glan-y-Don, Bae Colwyn LL29 8AW
www.heddlugogleddcymru.police.uk

Police Headquarters,
Glan-y-Don, Colwyn Bay LL29 8AW
www.northwales.police.uk

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Making North Wales the safest place to live, work and visit in the UK**

- **Verification that the device was operating within calibrated parameters on the specified date**

Annual calibration of all cameras is conducted by our respective manufacturer's test centres.

3. Operational Procedures and Guidelines

- **Standard Operating Procedures for manned speed detection operations**
Attached User Manual.
- **ACPO guidelines or North Wales Police procedures for operating handheld speed detection equipment**
[https://library.college.police.uk/docs/NPCC/NPCC-\(2016\)-Speed-Red-light-Enforcement-Technology-Guide-v1-2-1-July2016.pdf?](https://library.college.police.uk/docs/NPCC/NPCC-(2016)-Speed-Red-light-Enforcement-Technology-Guide-v1-2-1-July2016.pdf?)
- **Guidelines for speed detection operations at extended ranges (90+ meters)**
- **Environmental condition requirements for accurate speed detection**
No information held by North Wales Police.
Please contact the manufacturers for this information – Laser Tech UK.
- **Training requirements for operators of the specific equipment type**
All officers receive training as per the below.

4. Operator Training and Competency Standards

- **Training certification requirements for operators of the equipment type used**
- **Competency assessment standards for speed detection operations**
- **Refresher training schedules and requirements**
- **Any specific training requirements for operations at distances exceeding 90 meters**

LTI 20.20 Ultralyte 1000 is designed to accurately detect the speed of vehicles up to 1000 metres (details found on calibration certificate).

All our operators are qualified in the use of LTI 2020 Ultralyte 1000, and hold a certified qualification and receive refresher training as and when required.

5. Quality Assurance and Accuracy Verification

- **Quality assurance procedures for speed detection operations**
- **Methods used to verify accuracy of readings at extended distances**
- **Environmental factors that may affect measurement accuracy**
No information held by North Wales Police.
Any technical data request should be made to the manufacturer.
- **Procedures for documenting and reporting equipment malfunctions or accuracy concerns**
Equipment faults are reported immediately to the manufacturer and sent off for assessment.

THIS INFORMATION HAS BEEN PROVIDED IN RESPONSE TO A REQUEST
UNDER THE FREEDOM OF INFORMATION ACT 2000, AND IS CORRECT AS AT 13/06/2025

Certificate of Calibration

Date:	08/07/2024	Certificate Number:	24 -0725
Customer:	NORTH WALES POLICE		
Serial Number:	UX023056 / 449150UX		
Instrument:	LTI 20:20 Ultralyte 1000		

Visual Inspection:	Pass
Power On Self-Test:	Pass
Display Integrity:	Pass
Firmware Version Check:	Pass
Distance Checks:	Pass
Pulse Repetition Check (Hz):	124.9983Hz
Scope Alignment Check:	Pass

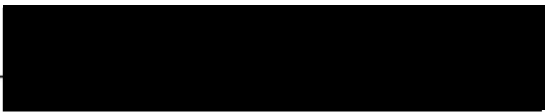
Distance Check	0 mph Reading
25m	Pass
75m	Pass
100m	Pass
125m	Pass
150m	Pass

Speed Simulation	Measured Speed (mph)	Result +/-1 mph
20 mph	19	Pass
30 mph	29	Pass
40 mph	39	Pass
50 mph	50	Pass
70 mph	69	Pass
100 mph	100	Pass
150 mph	149	Pass

This instrument has been verified to comply with the Manufacturer's Specification by using documented procedures for the calibration and verification process. The test equipment used in the calibration was itself calibrated by a UKAS accredited calibration facility.

The sample measurements in the calibration certify this device for use to the full extent of the instrument's specification. Range (20m - 1000m), Speed (0 - 199mph)).

We certify any parts or components that may have been used during these procedures are genuine parts as supplied by the manufacturer and identical to those used in the device as Type Approved. This device conforms with the device that was approved.

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Next Calibration Due:	08/07/2025
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ROAD TRAFFIC

The Light Beam Speed Measuring Device Approval 2007

The Secretary of State, in exercise of the powers conferred on her by section 20(4) and (5) of the Road Traffic Offenders Act 1988 **(a)** (Speeding offences etc: admissibility of certain evidence) and having prescribed for the purposes of section 20 of that Act a device designed or adapted for recording a measurement of speed of motor vehicles activated by means of a light beam or beams **(b)**, approves as from 30th November 2007 for the purposes of detection of offences specified in section 20(2)(a), (b), (c) or (d) the type of such device known as the LTI.20.20 Ultralyte 1000 light beam speed measuring device, manufactured by Tele – Traffic (UK) Limited.

Vernon Coaker

6th Home Office
December 2007

Vernon Coaker
Parliamentary Under-Secretary of State

EXPLANATORY NOTE

(This note is not part of the Approval)

Section 20 of the Road Traffic Offenders Act 1988 (as amended) provides for the admissibility in evidence of records from prescribed devices. Such devices must be of a description prescribed by the Secretary of State and of a type approved by him for the purpose of that section. By the Road Traffic Offenders (Prescribed Devices) Order 1993 (S.I. 1993/1698), the Secretary of State prescribes devices designed or adapted for measuring by radar the speed of motor vehicles. This approval approves as from 30th of November 2007 for the purpose of the detection of speeding offences the type of device known as the LTI.20.20 Ultralyte 1000 light beam speed measuring device.

(a). 1988 c.53; section 20 was substituted by section 23 of the Road Traffic Act 1991 (c.40)

(b). The Road Traffic Offenders (Prescribed Devices) Order 1993 (S.I.1993/1698).

ROAD TRAFFIC

The Light Beam Speed Measuring Device Approval 2010

The Secretary of State, in exercise of the powers conferred by section 20(4) and (5) of the Road Traffic Offenders Act 1988 (a) (speeding offences etc: admissibility of certain evidence) and having prescribed for the purposes of that section a device designed or adapted for recording a measurement of the speed of a motor vehicle activated by means of a light beam or beams (b), hereby approves as from 26th April 2010 for the purpose of detection of offences specified in section 20(2)(a),(b),(c) or (d) of that Act the types of such devices set out in the Schedule below.

Alan Campbell

Home Office
15th April 2010

Alan Campbell
Parliamentary Under-Secretary of State

SCHEDULE

1. **The Lastec Concept II DVD System** (also referred to as Concept 2), manufactured by Tele-Traffic (UK) Limited, when used as part of an integrated speed measuring system with the LTI.20.20 Ultralyte 1000 light beam speed measuring device (c).
 2. **The Lastec Ranger DVD System** (also referred to as Ranger), manufactured by Tele-traffic (UK) Limited, when used as part of an integrated speed measuring system with the LTI.20.20 Ultralyte 1000 light beam speed measuring device.
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(a) 1988 c. 53; section 20 was substituted by section 23 of the Road Traffic Act 1991 (c.40).

(b) The Road Traffic Offenders (Prescribed Devices) Order 1993 (S.I.1993/1698).

(c) The LTI.20.20 Ultralyte 1000 was approved by the Light Beam Speed Measuring Device Approval 2007.