| | |
|---|---|
| **OIML Member State**<br>United Kingdom of Great Britain<br>and Northern Ireland | **OIML Certificate No.**<br>**R134/2006-B-GB1-19.02**<br>**Revision 1** |

## OIML CERTIFICATE ISSUED UNDER SCHEME B

| | |
|---|---|
| OIML Issuing Authority | **NMO**<br>**Stanton Avenue**<br>**Teddington**<br>**TW11 0JZ**<br>**United Kingdom** |
| Person responsible: | **Mannie Panesar – Head of Technical Services** |
| Applicant | **Intercomp Company**<br>**3839 County Rd 116**<br>**Medina MN 55340**<br>**United States** |
| Manufacturer | **The applicant** |
| Identification of the<br>certified type | **Strip Sensors**<br>*(the detailed characteristics are defined in the Descriptive Annex)* |

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 134, Edition: 2006**

For accuracy classes: 5, E and 10, F.

Issue date: 25 February 2020

**The OIML Issuing Authority**

**G Stones**
**Technical Manager**
*For and on behalf of the Head of Technical Services*

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P01724 revision 1 dated 25 February 2020 that includes 13 pages.

The technical documentation relating to the identified type is contained in documentation file:

No. P01724-D dated 01 August 2019.

**OIML Certificate History**

| Revision No. | Date | Description of the modification |
|---|---|---|
| 0 | 01 August 2019 | OIML Certificate first issued. |
| 1 | 25 February 2020 | Accuracy classes 5, E added to the front page and characteristics table.<br>Minimum speed added to characteristics table.<br>Maximum capacity (per axle) corrected from 10,000 kg to 20,000 kg. Maximum number of divisions changed to 400 accordingly. |

This revision replaces previous version of the certificate.

*Important note:*
*Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.*

**DESCRIPTIVE ANNEX**

Characteristics of the instrument:

The Intercomp Strip Sensor system is an instrument used for dynamic axle weighing of road vehicles in motion. The weighing system shall be permanently installed according to manufacturer's guidelines in a controlled weighing area, and shall adhere to the installation requirements of OIML R134:2006(E).

An interlock prevents weights being stored or transmitted if the maximum operating speed is exceeded.

The instrument may be used for the determination of gross vehicle weight or single axle loads, or both.

The system comprises 4, 6 or 8 load measuring Sensors (2, 3 or 4 rows) fitted flush into the road surface (typically a public road) connected to the Intercomp WIMLogix weighing module, which is connected to a PC running Intercomp WIM software.

The system is not suitable for determining the mass of vehicles carrying liquid products.

Characteristics of the instrument:

| Number of sensor rows | 2, 3 or 4 | 4 |
|---|---|---|
| Accuracy class for total vehicle mass | 10 | 5 |
| Accuracy class for single axle loads | F | E |
| Maximum capacity | ≤ 20,000 kg (per axle) | |
| Scale interval (d) | 50 kg | |
| Minimum capacity | 10 d (per axle) | |
| Number of scale intervals | ≤ 400 | |
| Maximum speed | 100 km/hr | 40 km/h |
| Minimum speed | 4 km/h | |
| Direction of travel | Single | |
| Operating temperature range | -20 / + 65 $^0$C | |
| Power supply | 100 - 240 V A.C (50 / 60 Hz) | |

Note: The cables between the Strips and the WIMLOGIX weighing module must be installed in such a way that they are not susceptible to power surges i.e. lightning protection is considered.

Interfaces:

The WIMLogix weighing module may have the following interface types:
  – Ethernet

Software:

**WIMLogix:**

The WIMLogix weighing module filters, digitises and processes the signal from the Strips. This software is embedded and stored in compiled executable code. Software changes are impossible without gaining access to the internal PCB. Software identification is shown on the WIM software "splash" screen and is shown as follows for verification purposes:

WIMLogix CPU Version: 3.xx

Legally relevant parameters can only be changed by first placing a jumper directly on the internal PCB.

The WIMLogix must be connected via ethernet to a PC which has the following minimum hardware requirements, running WIM software. The PC running WIM software handles the control and indication of measurement results, and is capable of storing measurement data for future processing.

Minimum hardware requirements:

| | |
|---|---|
| Operating system | Windows 7, 8, 10 |
| RAM | 1 GB |
| Processor | Intel Pentium 4 or equivalent |
| Hard disk capacity | 100 MB |
| Screen resolution | 1366 x 768 |
| Communication ports | 1 x Ethernet |

**WIM software:**

The WIM software handles the display of legally relevant indications and control functions. An MD5 checksum is calculated over the entire software executable. The software identification is shown on the "splash" screen and is as follows for verification purposes:

Software Version: 1.1.0.0
Checksum: 9EC10598734CA2B854101C4823850F6D

SPP API Version: 1.15.0.0
Checksum: A7609D6B3276DBC62370241EE3D4B120

Any changes to legally relevant parameters on the WIM software are recorded in the "Change Log". The "Change Log" is displayed by selecting the "Review" tab at the top of the home screen.

Sealing:

Access to the electronics and jumper protecting the legally relevant parameters of the WIMLOGIX weighing module is prevented by securing the enclosure with a physical seal bearing a securing mark.

Strips are secured to the WIMLogix weighing module with a physical seal bearing a securing mark

Alternatives:

There are currently no authorised alternatives.