

LO-WEIGH 100 SOFTWARE

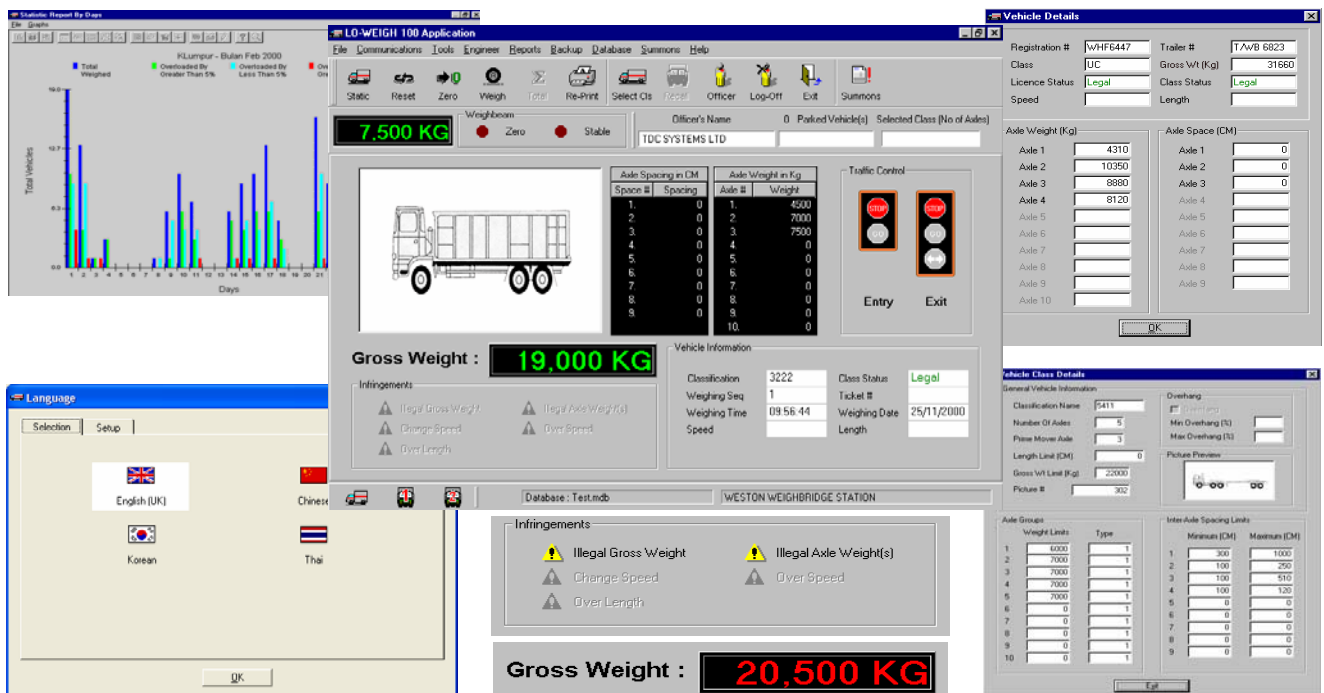
LO-WEIGH 100 is a powerful software package providing a user-friendly, graphical, interface to the operator using the LO-TRAC 100 or LO-TRAC 200 axle weighing systems.

The software allows the operator to weigh the vehicle in an axle-by-axle static mode or in a weigh-in-motion dynamic mode. Individual axle weight data appears on-screen as each axle is weighed and the gross vehicle weight is displayed automatically at the end of the weighing process.

Any infringement, axle and gross weight overload, or attempts to defraud the weighing process (over speed or changed speed) is clearly highlighted to the operator on-screen.

Additional information such as driver name, owner name, addresses and license or permit numbers can also be entered at the time of weighing.

LO-WEIGH 100 is Windows based and is available for Windows 98 / ME / 2000 / XP.



The screenshot displays the LO-WEIGH 100 software interface with several windows open:

- Statistics Report By Days:** A bar chart showing total vehicles weighed over a period of days, with categories for 'Overloaded by Greater Than 5%' and 'Overloaded by Less Than 5%'.
- LO-WEIGH 100 Application:** The main interface showing a weighing boom with a weight of 7,500 KG. It includes a table for axle spacing and weight:

Axle Spacing in CM	Axle Weight in Kg
1	4500
2	7000
3	7500
4	0
5	0
6	0
7	0
8	0
9	0
10	0
- Vehicle Details:** A form for entering vehicle information such as Registration # (WVF6447), Trailer # (TAVB 6823), Class (UC), Gross Wt (31660), Licence Status (Legal), and Speed.
- Vehicle Information:** A form for classification (3222), Class Status (Legal), Weighing Seq (1), Ticket #, Weighing Date (25/11/2000), and Speed (09 55:44).
- Language:** A window for selecting the interface language, with options for English (UK), Chinese, Korean, and Thai.
- Infringements:** A panel showing detected violations: Illegal Gross Weight, Illegal Axle Weight(s), Change Speed, and Over Length.
- Axle Class Details:** A table for axle class specifications:

Axle Class	Weight Limit (Kg)	Type	Min Spacing (CM)	Max Spacing (CM)
1	4500	1	200	1000
2	7000	1	1000	2500
3	7000	1	1000	5100
4	7000	1	0	0
5	7000	1	0	0
6	0	1	0	0
7	0	1	0	0
8	0	1	0	0
9	0	1	0	0
10	0	1	0	0

Main Features:

- Low Speed Weigh-in-Motion
- Static Axle-by-Axle Weighing
- Parking Function
- Officer Login Monitoring
- Customised Weight Tickets
- Report Generation
- Multi-language Function
- Audit & Statistical Reports
- Engineering & Diagnostic Functions
- Automatic Sign or Signal Operation
- Database Backup & Archive
- Customised Database
- CCTV and Overheight Detector Connection
- HSWIM Pre-Selection System Monitoring

WEIGHING OPERATION DATA

- Date
- Time
- Weighing Sequence Number
- Weigh Station Name
- Individual Axle Weight
- Gross Vehicle Weight
- Vehicle Classification
- Inter-Axle Spacing
- Vehicle Length
- Vehicle Speed

Each weighing operation is given a unique sequence number against which individual vehicle data is stored.

MANUALLY ENTERED DATA

- Vehicle Registration Number
- Trailer Registration Number
- Vehicle Plate (License) Detail
- Vehicle Type (Descriptive)
- Owner Name
- Owner Address
- Vehicle Driver Name
- Vehicle Driver Address
- Vehicle Driver IC Number

INFRINGEMENTS

- Illegal Axle Weight
- Illegal Gross Vehicle Weight
- Over Length
- Over Height
- Over Speed
- Change Speed

REPORTS

- Low Speed Reports
- Low Speed Statistical Reports
- High Speed Reports
- Login Reports

LANGUAGE FUNCTIONS

Utilising Windows multi-language support LO-WEIGH 100 incorporates a function to display all on-screen menus and messages in any Microsoft supported language.

OFFICER LOGIN RECORD

Vehicle weighing operations are logged against the operating officer's name which is entered at the start of the enforcement operation.

CUSTOMISED WEIGHT TICKET

LO-WEIGH 100 incorporates a facility to print customised weight tickets. Weight tickets can be printed on pre-print forms or on plain paper.

PARKING FUNCTION

Vehicle records may be placed in memory. This function facilitates a means of sending an illegally loaded vehicle to a parking or holding area and completing data entry after all other weighing operations have been completed.

ENGINEER FUNCTIONS

LO-WEIGH 100 incorporates set-up and configuration facilities as well as engineering functions to aid service and maintenance.

VEHICLE CLASS TABLE

A vehicle class "look-up" table is incorporated. The look-up table includes vehicle class identification parameters and permitted axle and gross vehicle weight limits. These limits are configurable via the engineer function.

DATABASE BACKUP

Weighing operation database can be backed up and also archived. This function also applies to the data base created by High Speed WIM pre-selection system/s connected as part of the LO-TRAC enforcement system.

ADDITIONAL DATABASE

Additional database to include customisation, e.g. Summons Database.

DATA STORAGE

Data is stored in Microsoft Access (MDB) format and can be read by propriety software packages such as Microsoft Access.

HIGH SPEED WIM DATA

High speed weigh-in-motion data downloaded from a pre-selection system/s connected as part of the LO-TRAC enforcement system can be displayed in real time on screen and stored to a database.

EQUIPMENT COMPATIBILITY

LO-WEIGH 100 will interface to the following TDC Systems Ltd equipment:

- LO-TRAC 100
- LO-TRAC 200



58 Buckingham Road
Weston Industrial Estate
Weston-Super-Mare
North Somerset BS24 9BG
England

Tel: +44 (0)1934 644299
Fax: +44 (0)1934 644255
Email: sales@tdcsystems.co.uk
www.tdcsystems.co.uk

