

## Portable Low-Speed-Weigh-in-Motion



- Quick to set up
- Portable & light weight
- Low profile sensors
- Protocol printing
- Automatic vehicle type recognition

The system is on-site operational within a few minutes.

All items can be carried by one person.

No resistance for the vehicle.

Immediate protocol printing by one keystroke only.

Unattended measurement and vehicle type identification.

## Dynamic Wheel Load Sensor WL 110

Ultra Low Profile, Heavy Duty, Stainless Steel

The platform consists of three layers bonded together with a strong adhesive. When loaded they become slightly compressed causing a change in capacitance. The absence of any moving parts ensures a long life time.

### Quick Installation

Because of its light weight, the wheel load sensor WL 110 is easy to transport and it can be used at any time without the need of ramps.

Measurements are made on firm and level ground using levelling mats to ensure that all wheels of multiple axle systems are on the same level. As an alternative the sensors may be placed into a recess in the pavement. The depth must be the same as the height of the sensor to ensure that the platform surface is perfectly level to the ground. Preferably the specially designed mounting frame is used.

Depending on the abilities of the used processing unit a different output is possible. In the minimum configuration only the weight is indicated on the display. A full evaluation comprises of automatic classification and weighing of the vehicle including the determination of the speed.



## Handheld Processing Unit EC 110



### Battery Powered, Easy Operation

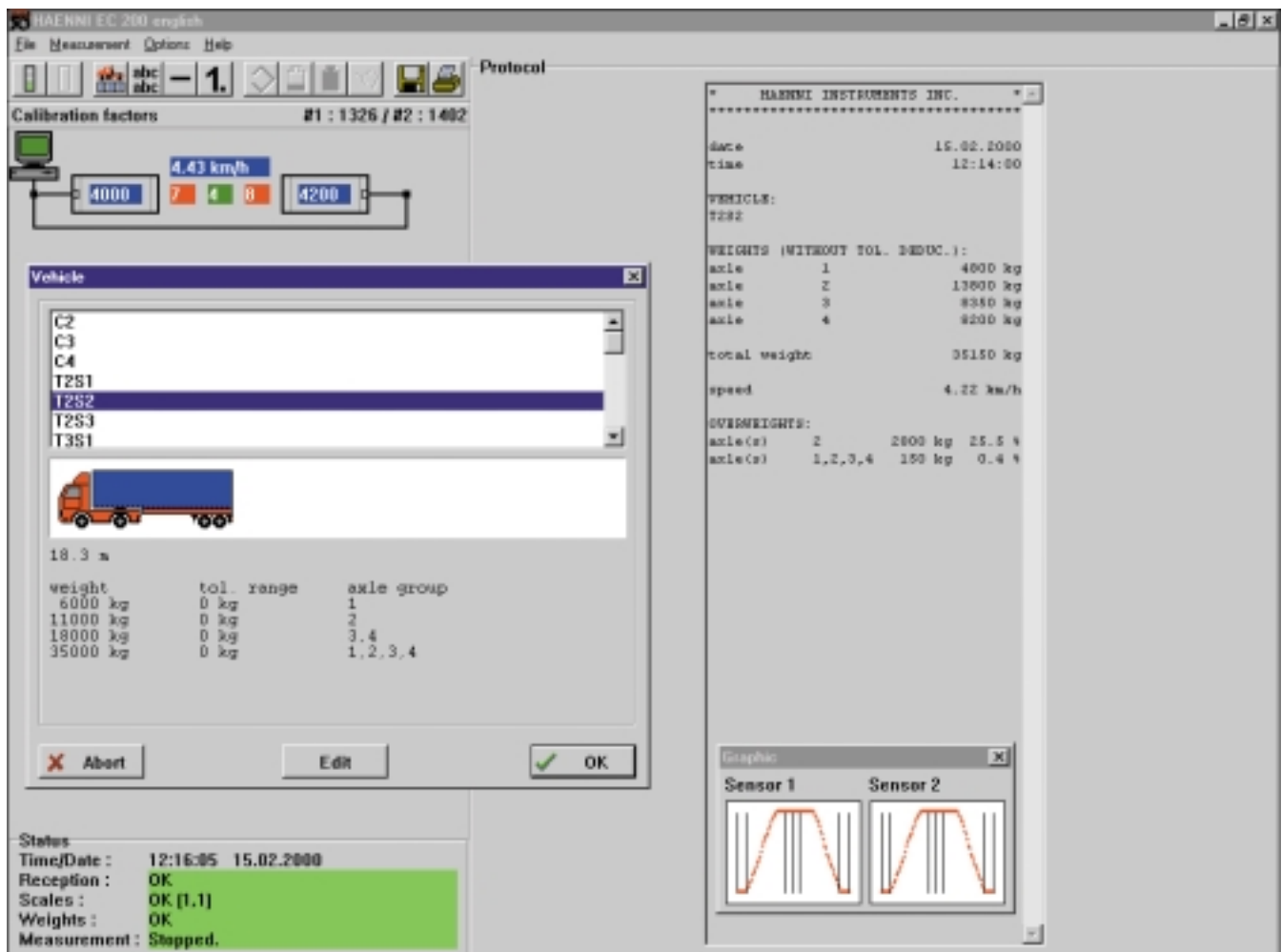
- Robust unit suitable for outdoor use
- Manual weighing requires only one key stroke
- Automatic or manual weighing
- Automatic axle group weight calculation
- Overload detection
- Clear display even in bright sunshine
- Alpha numeric keypad allows entry of text items
- Automatic vehicle classification based on axle spacing
- Rechargeable batteries that will allow 24 h continuous operation
- Stores the weighing data of approximately 2000 vehicles
- Parallel interface for either 24 column or 48 column printer
- RS 232 interface to down load data to a PC

# Windows™ Processing Software EC 200

The most powerful tool for processing weighing results

- Printout with all measured and calculated weights, the speed, the vehicle data, driver and site information
- Full remote visualisation of the measuring process
- Automatic vehicle type recognition based on axle spacing calculation, enabling unattended measurement
- Unlimited storing capacity
- Free editable weight limits for unlimited vehicle types
- Selectable tolerance deductions
- User friendly set-up and configuration using dialogue box technology
- Data export for all known spread sheet software
- Password protected setup
- Realtime graphics
- Free editable text lines for protocol printout

*Visualisation of the measuring process,  
preview of the printout*



## System Components

- 1 Processing unit EC 110 or
- 1 Processing software EC 200
- 2 Sensors WL 110 with transportation case
- 4 Levelling Mats
- 1 Set of cables

## Weight of equipment

- Sensors 17 kg each
- Levelling Mats 12 kg each
- Total less than 100 kg*



## Applications

- Preselection of overloaded vehicles
- Weighing vehicles to protect bridges
- Weighing vehicles for statistical reasons
- Weighing loads for road pricing and control purposes
- Avoid costly fines caused by unintentional overloading

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