

# Processing unit EC 900

<b>Application</b>	Processing unit for static wheel load scales WL 103 for measuring axle loads as well as gross weights of vehicles.
<b>Input</b>	2 static wheel load scales. Battery charger.
<b>Measurement</b>	Manual operation, static weighing.
<b>Calculation of overweights</b>	Editable limits for 100 vehicle types or limits for axles and axle groups
<b>Storing and printout</b>	Upon key stroke the weighing results are stored and transmitted to the printer port.
<b>Storing Capability</b>	1600 vehicles.
<b>Display</b>	4 lines 16 characters dot matrix,
<b>Key pad</b>	Using computer keyboard
<b>Data in- and output</b>	serial port RS 232 C for data exchange with a personal computer and printer.
<b>Setup and configuration</b>	Setup mode using the keyboard and the display. Download of limits, text lines and software up-dates from a PC.
<b>Power Supply</b>	Integrated rechargeable batteries, Static scales WL 103 are operating on their own batteries



<b>Autonomy</b>	The battery remaining operating time is indicated on the display.
<b>Charging</b>	DC 12V from car battery or mains adapter.
<b>Housing</b>	Portable housing. Water and dust proof IP 54
<b>Weight</b>	20 kg
<b>Scope of supply</b>	1 processing unit EC 900 1 mains adapter 1 RS 232 cable 1 operating manual

## Selection Chart

Power supply	: Internal Batteries
Operating mode	: Axle by Axle
Language:	English

## Accessories

<b>Designation</b>
Main adaptor cable for 220VAC
Adapter cable 12 VDC for cigarette lighter

## Consumables

<b>Designation</b>
Printing ribbon for paper 58 mm
Paper roll 58mm width

## Design and Function

The processing unit EC 900 is designed for processing the results of static scales WL 103. It continuously receives the weight signals from the connected scales. In the manual mode the measurement starts and ends by key stroke. Two scales are used for weighing both sides of the vehicle in an axle by axle mode. The overweight calculation is either based on free editable axle and axle group limits or on vehicle types. The EC 900 automatically detects single axles, axle groups and the gross weight of the vehicle. All stored measurements – up to 1600 vehicles – may be transferred to a personal computer via the serial port using the comfortable WINDOWS based download software. The data can be converted to any spread sheet program format. This software is also used to edit the vehicle types and the axle limits as well as the text lines to be printed with the weighing protocol. Even a up-date of the instruments firmware is possible. The four line dot-matrix display shows the axle weights and the gross weight and guides the user through the various setup menus. The results are also sent to the serial port for being printed out using any type of printer.