



**LAHTI
PRECISION**

Mestarinkatu 2, P.O.B.
22 FI-15801 Lahti, Finland
Tel. +358 3 829 21
Fax +358 3 829 4100
www.lahtiprecision.com

WA-807 Check weighing scale

for automatic checking weighing

- Functions
 - Pre-setting for tare values
 - Minimum and maximum value control
 - Single, subtotal and total sum print
- Approved for automatic weighing (MID)
- Ethernet interface, 3 transfer ports
- 4 digital inputs, 4 relay outputs, Analog output 0 (4) - 20 mA
- Optional fieldbus modules and log memory

INTENDED USE

The WA-807 Checking scale includes functions needed for automatic and static checking scaling.

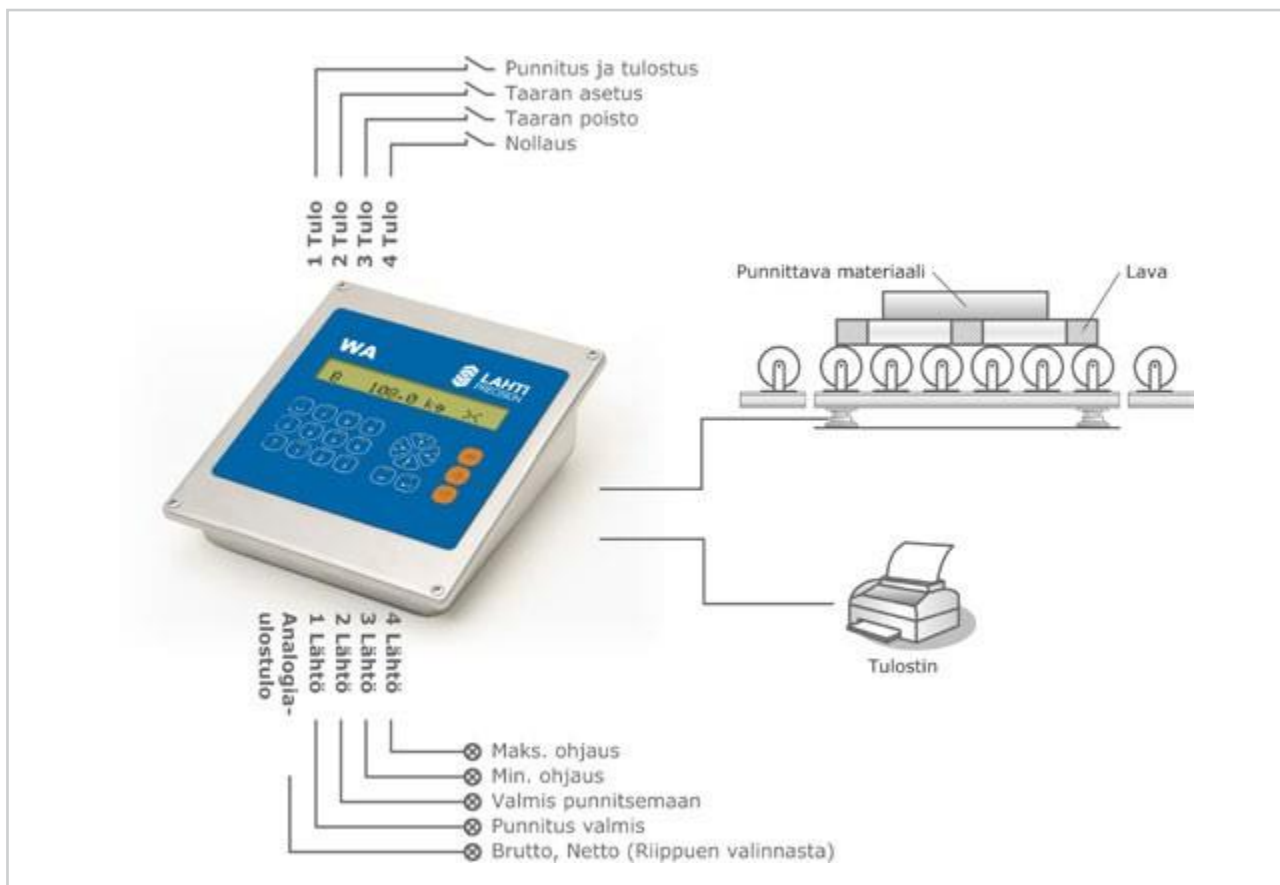
For the checking weighing can be parametrized minimum and maximum values and several pre-set tare values.

The unit can be attached to a bridge or to roller scales.

THE UNIT

WA-807 Checking scale unit housing (IP65, RST) allows for wall or table mounting.

The unit has an easy-to-read backlit LCD-display. The unit is operated from a 21-key membrane keypad. The unit can be easily parameterized and tuned either directly with the unit's interface or WA-plan-PC-program.



DATA TRANSFER

WA-807 is equipped with three serial connectors WA-807 it is easily to extend. For example, a PC- computer, a printer, and an additional display can be connected to the unit at the same time. Two connectors are on type RS-232. The third (RS-485 2/4 cable) is suitable for bus communication and for longer distances.

With the Ethernet interface (10/100 Mbit/s) can easily be connected to control systems using MODBUS/TCP protocols. The unit can also be configured via an Ethernet connection.

In addition to the integrated connections, fieldbus modules are available as an option:

- Profibus DP-VO and
- DeviceNet

INPUTS AND OUTPUTS

The scale unit has the following inputs and outputs:

- 4 optoisolated inputs, 24 V
- 4 relay outputs, 250 VAC
- 0(4)-20 mA scalable analogic output, 12-bit.

Digital inputs can be connected to the scale's functions and digital outputs can be used to detect the scale's functions and, if required also to the simple program functions. Inputs and outputs can also be controlled via the field bus.

Analogic output can be used, for example weight or mass flow information to the measurement and control systems as well as to displays.

FUNCTIONS AND SETTINGS

All unit's parameters can be viewed and edited in plain text on the LCD display. The basic functions are in default Finnish and English. To the unit can be uploaded other languages with WA-plan PC program when needed.

With the WA-plan -program can also be:

- set all parameters of the unit
- tune the scale
- set the printer parameters
- read and display weighing signals
- save the entire unit configuration (backup)

- Reset the stored configuration to the scale terminal. With the reset function a spare unit can be quickly to take into use

All parameters and tuning data remains on the unit in the event of a power cut.

The real-time clock remains active for at least seven days without any voltage.

CHECKING WEIGHING FUNCTION

The material to be weighted is firstly moved onto the scale. After this weighing is started via a digital input, by button or bus command. When weighing is completed, the unit will switch on the Weighing Ready-digital output terminal for a second.

The weight of the container or pallet containing the weighing material (tare) can be reduced if necessary from the gross reading.

The weighing result can be printed on the document as well as transferred to the main operating system.

The result is automatically added to the total sum counter after each weighing.

Depending on the tare method, the gross or net weight is added to the sum counter, which also includes the number of weighing operations. The sum counter can be displayed on the display and printed.

The parameterized minimum and maximum limits are detected by digital outputs.

LOG MEMORY

An optional log memory is available for the unit, which replaces the use of a log printer.

To ensure the traceability, to the log memory is saved each weighing, tare weight, weighing number, time and date. Additionally, an optional text section can be configured for



The information is inputted with a 21-key membrane keypad

The weighing results can be browsed either directly from the unit's interface or by the WA plan-program.

PROTECTION FOR TUNED PARAMETERS

All the functions and tuning parameters that are directly related to the scale are stored in the parameter memory in the separate sensor connector which is locked during tuning. This makes it possible to replace the faulty scale electronics without new tuning and stability.



Lahti Precision Oy
Mestarinkatu 2,
P.O.B. 22 FI-15801
Lahti, Finland
Tel. +358 3 829 21
Fax +358 3 829 4100
www.lahtiprecision.com