

WE-807-3 WEIGHT CONTROLLER

FOR AUTOMATIC CHECKWEIGHING APPLICATIONS



- Approved for automatic weighing applications (MID)
- Functions:
 - Preset tare values
 - Minimum and maximum value monitoring
- Extended keyboard, 20 keys
- Data transfer options
 - Ethernet
 - Serial interfaces
 - Fieldbuses
- Optional extensions:
 - Digital inputs and opto-isolated outputs
 - Analogue output 0(4) - 20 mA
- Supply voltage 110–240 VAC, 50–60 Hz

APPLICATION

The WA-807-3 checkweigher controller includes the functions required for automatic static checkweighing.

In addition to the target weight, a plus and minus tolerance and several preset tare values can be specified for checkweighing.

Suitable for harsh environmental conditions and locations with high hygiene requirements, such as the food, pharmaceutical and chemical industries.

The weighing terminal is also easy to connect to other systems thanks to its numerous data transfer options.

EQUIPMENT

The WE-807-3 offers a wide range of options:

- Analogue output
- Digital I/O
- Serial interfaces
- Ethernet
- Fieldbuses such as Profinet

This controller has an easy-to-read 4.3-inch backlit color LCD display, and data is entered using a flexible membrane keyboard. The WE-807-3 can also be conveniently configured and calibrated using separate PC software.

Stainless steel housing IP65 / IP69K, suitable for highly demanding environments, including outdoor use. Mounting brackets for table and wall mounting included.

Integrated power supply and sealed cable glands for all cable connections.

COMMUNICATION

The WE-807-3 controller can have one or two serial connections, type RS-232 or RS-485 (2/4-wire), and one 10/100 Mbps Ethernet port.

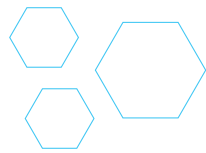
These can be used with remote displays, printers or PCs.

There are also several fieldbus connection options:

- Profibus DP-V0
- Profinet IO
- Ethernet/IP



WE-807-3



INPUTS AND OUTPUTS

For simple control functions the WE-807-3 controller can have the following digital inputs and outputs:

- max 3 inputs 24 VDC
- max. 4 opto-isolated outputs 24 VDC An

Analogue output is also possible if required.

OPERATION AND SETTINGS

The terminal's user interface is clear and easy to read. All user instructions are displayed and information is entered in clear text.

Operation is also possible with a separate PC software, which can be used to:

- setting all device parameters
- calibrating the device
- convenient configuration of the print template
- reading and displaying weight data
- backing up the device configuration
- restoring saved data to the WE controller. This allows a replacement device to be prepared at short notice.

All parameters and calibration data remain stored in the device even in the event of a power failure. The real-time clock continues to operate for days without a power source.

WEIGHING ELECTRONICS

The WE-807-3 is connected to a scale that uses analog strain gauge load cells. The impedance of the measuring circuit must be between 43 ohms and 3,3 kohms, for example, 8 x 350-ohm sensors. Or, when using Zener protectors, the input impedance should be between 87,5 ohms and 3,3 kohms, for example, 4 x 350-ohm sensors.

Connection modules for digital weighing sensors are available as accessories.



FUNCTIONS

The material to be weighed is first transferred to the scale. Weighing is then started with a digital input, button or bus command. When weighing is complete, the controller indicates whether the weight is within the specified limits.

The weight of the container or pallet containing the material to be weighed (tare) can be deducted from the gross reading if necessary. The weighing result can be printed on a receipt and transferred to the upper system.

The result is automatically added to the total counter after each weighing. Depending on the tare method selected, the gross or net weight is added to the total counter, which also includes the number of weighing operations. The total counter value can be displayed on the screen and printed.

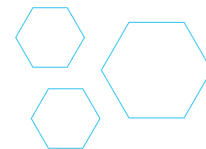
APPROVED FOR COMMERCIAL USE

Approved for commercial use up to a resolution of 10,000 steps resolution (accuracy class Y(a)). The scale can be set to one or more ranges (e.g. 3 x 3000 d) and one or more step intervals.

The built-in log memory replaces the log printer and frees the user from the need to create and archive paper receipts.



WE-807-3



WALL/TABLE VERSION
Stainless steel enclosure for wall and table mounting



PANEL MOUNTING VERSION
Stainless steel enclosure for installation in a switch cabinet opening

SOFTWARE

- ▶ Data collection
- ▶ Remote-controlled weighing
- ▶ Weighing controlled via fieldbus
- ▶ Print formatting via keyboard or PC software

WEIGHING ELECTRONICS

- ▶ Number of scale connections.....1
- ▶ Weighing sensors (input impedance)43–3,300 ohms (e.g. 8 x 350)
- ▶ Multi-area and multi-step operationYes
- ▶ ApprovalsEC: MID, classes Y(a) and Y(b)
- ▶ Log memory approved for commercial useInternal memory, capacity for 1,000,000 log entries (optional)

HARDWARE

- ▶ Display4.3" colour TFT, 480 x 272 pixels
- ▶ Keyboard20 membrane keys, external PC keyboard optional
- ▶ Serial connections1 or 2 RS232/20mA/RS485 (optional)
- ▶ Digital I/Os (optional).....2 internal I/O modules (optional)
- ▶ Fieldbus connection (optional)Profibus DP-V0, Profinet, Ethernet/IP
- ▶ Ethernet interfaceOptional
- ▶ USB interfaceOptional
- ▶ Analogue output.....0–20 mA, 4–20 mA, 0–10 V or 2–10 V (optional)
internal 32,768 steps, 15 bits (DAU15)
- ▶ Power supply.....110–240 V AC or 12–30 V DC

DIMENSIONS AND PROTECTION TYPE

- ▶ Wall/desktop version.....L x H x W: 2280 x 214 x 124 mm
- ▶ Panel mounting version.....L x H x D: 241 x 180 x 47 mm
Cut-out L x H: 223 x 162 mm
- ▶ Protection type**IP69K

** The protection types stated for panel-mounted versions apply only to the front panel if the enclosure is installed correctly.

