

# WE-801-1 WEIGHT INDICATOR



- Legal-for-trade
- Keyboard with 5 keys
- Communication options
  - Ethernet, TCP/IP
  - Serial interfaces
- Optional extensions:
  - Digital inputs and opto-isolated outputs
  - Analog output 0(4) - 20 mA
- Supply voltage 110-240 VAC, 50-60 Hz

## APPLICATION

The WE-801-1 weight indicator is perfectly suited to all applications where weights are recorded, displayed and printed legal-for-trade.

Suitable for difficult environmental conditions and locations with high hygienic standards, as in the food, pharmaceutical and chemical industry.

WE-801-1 weight indicator is also excellently suited to simple control jobs in process applications with its complete selection of interfaces.

The indicator fits easily into data processing and control systems with its extensive communication options.

## EQUIPMENT

WE-801-1 offers wide choice of options:

- An analog output
- Binary I/O
- Serial interfaces
- Ethernet, TCP/IP

This indicator has an easily readable 4,3" backlit color LCD display. Data is keyed in via flexible membrane keyboard with 5 keys. WE-801-1 can be conveniently configured and calibrated via PC software.

Stainless steel housing IP65 / IP69K, suitable for harsh environment weighing locations and outdoor area. With mounting brackets for desk-top or wall-mount installation.

Integrated power supply unit, sealed cable glands for all cable connections.

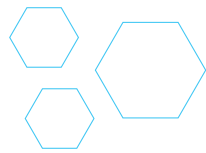
## COMMUNICATION

WE-801-1 weight indicator can have one or two serial interfaces, type RS-232 or RS-485 (2/4 wire) and one 10/100 Mbps Ethernet port.

These can be used with remote displays, printer or PC.



# WE-801-1



## INPUTS AND OUTPUTS

For simple control jobs, WE-801-1 weight indicator can have the following parallel inputs and outputs:

- 2 inputs 24 VDC
- 2 opto-isolated outputs 24 VDC

Beyond this, WE-801-1 may have a 15-bit analog output that can transfer for example weight or material flow information to a PLC or display.

## OPERATION AND SETTINGS

Standard operation is in English. All operator guidance is carried out and data is entered in clear text.

PC software also allows:

- Setting all instrument parameters
- Calibrating the instrument
- Conveniently configuring the print pattern
- Read-out and display of weight signals
- Reading out the complete instrument configuration (backup)
- Restoring stored data into a WE weight indicator. This means a substitute can be prepared at short notice.

All parameter and calibration data are stored power failure safe in the instrument. The real-time clock runs days without a power supply.

## WEIGHING ELECTRONICS

The WE-801-1 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.

Interface modules for digital load cells are available as options.



## FUNCTIONS

Beyond the basic scale functions such as

- Acquire and clear tare
- Zero positions
- Print

WE-801 weight indicator can also carry out a series of other functionalities. The WE-801-1 weight indicator can be configured for specific applications, such as level control or fill control, that both allocates the essential actions to the function keys and assigns the inputs and outputs of the instrument to the matching signals.

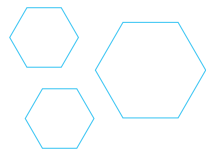
## LEGAL-FOR-TRADE APPROVED

Legal-for-trade approved resolution of up to 10,000 d. Calibration is possible as single or multiple range (e.g. 3 x 3000 d) and as single or multi interval scale.

The additional built-in legal-for-trade memory releases the user from the necessity of creating and archiving legal for trade vouchers on paper.



# WE-801-1



**WALL/DESK  
VERSION**  
Stainless steel  
housing for wall and  
desk-top installation



**PANEL-MOUNT  
VERSION**  
Stainless steel housing  
for installation in cut-out of  
switch cabinet

## SOFTWARE

- ▶ Data logging
- ▶ Remotely controlled weighing
- ▶ Print formatting via keyboard or with PC software

## WEIGHING ELECTRONICS

- ▶ Number of scale interfaces .....1
- ▶ Analog load cells (input impedance) .....43–3,300 Ohm (e.g. 8 x 350)
- ▶ Multiple-range / multi-interval .....yes
- ▶ Approvals .....EC: NAWI (10,000 d)
- ▶ Legal-for-trade approved data archive .....internal archive, 1,000,000 rec. (opt.)

## HARDWARE

- ▶ Display .....4.3" color TFT, 480 x 272 pixel
- ▶ Keyboard .....5 softkeys, external PC keyboard optional
- ▶ Serial interfaces .....1 or 2 RS232/20mA/RS485 (option)
- ▶ Digital I/Os (option) .....2 internal I/O modules (optional)
- ▶ Ethernet, TCP/IP .....optional
- ▶ USB connection .....optional (socket)
- ▶ Analog output 0–20 mA, 4–20 mA, 0–10 V or 2–10 V (option) .....internal 32,768 steps, 15 bit (DAU15)
- ▶ Power supply .....110–240 V AC or 12–30 V DC

## DIMENSIONS & PROTECTION TYPE

- ▶ Wall/Desk Version .....W x H x D: 168 x 167 x 115 mm
- ▶ Panel-mount version .....W x H x D: 182 x 145 x 47 mm Cut-out W x H: 165 x 129 mm
- ▶ Protection type\*\* .....IP69K

\*\* The indicated protection types for panel-mount versions apply only to the fascia plate if housing is installed correctly.

