

Integrator / Controller EmWeA Master WE503D

- highest accuracy
- user friendly
- inexpensive



Integrator / Controller EmWeA Master WE503D

EmWeA Master WE503D was developed for different weighing systems in order to meet the high demands of the industry for a particularly accurate measurement of the products at low cost.

The robust stainless steel housing with its high degree of protection IP 68 is suitable for indoor and outdoor use, as well as for wall, table, and panel mounting.

Supported Applications

- Belt scales
- Weigh belt feeders
- Auger scales / screw feeder scales
- Bulkslide flowmeters
- Impact flowmeters
- Loss-in-weight feeder scales
- Batch weighers
- Checkweighers
- Static weighing scales
- Mobile data capture systems



Performance Characteristics

- Universal housing for wall mounting, table mounting, and panel mounting
- LCD graphic display with backlight
- Programmable function keys
- Intuitive, easy-to-use interface
- Robust stainless steel housing
- Condition diagnosis
- Particularly high-resolution measuring input
- Extremely high measuring frequency
- Internal alibi memory
- Logbook
- Various communication options:
 - Binary and analogue inputs and outputs
 - Serial interfaces RS-232 / RS-485
 - Fieldbus interfaces
 - Ethernet, WiFi, Bluetooth®, USB



Technical Specifications

- Housing:**
- Stainless steel universal housing for wall mounting, table mounting, and panel mounting
 - Protection: IP 68 (dust and waterproof)
- Operating temperature:**
- -10 ... +40 °C
- Electronics:**
- A/D converter 24-bit / 3,000,000 d
 - Measurement rate 3,200 Hz (3,200 measurements per second, lower adjustable)
 - LCD graphic display with backlight
 - Membrane keyboard, alphanumeric, with programmable function keys
 - LED bar graph
 - USB port for storage medium / alibi memory
 - Two resettable counters
 - PID control function with setpoint specification
 - Charging function (quantity control) with setpoint specification and auto-correction
 - Extensive calibration functions
 - Password and hardware protection
 - Real time clock
- Power supply:**
- 12 ... 24 V DC; 15 W, and 110 ... 240 V AC; 50 ... 60 Hz; 15 W
 - Fusing must be provided by the customer
- Inputs:**
- Input for load cells (5 V DC; 10 mV; 0.3 μ V/e; max. 16 analogue load cells with 350 Ω each)
 - Input for speed sensor or optoelectronic sensor
 - PS/2 connection for external keyboard or code reader
 - Two (2) binary inputs; optically isolated; 12 ... 24 V DC; 20 mA (expandable to 8 inputs)
 - Two (2) analogue inputs (0/4 ... 20 mA or 0 ... 10 V) (optional)
- Outputs:**
- Four (4) binary outputs; optically isolated; 60 V DC / 48 V AC; 150 mA (expandable to 16 outputs)
 - Two (2) analogue outputs (0/4 ... 20 mA or 0 ... 10 V) (optional)
- Serial interfaces:**
- One (1) serial interface RS-232 / RS-485
 - Two (2) serial interfaces RS-232
- Bus interfaces:**
- PROFINET, PROFIBUS, EtherNet/IP, EtherCAT, CANOpen, DeviceNET, Modbus/TCP (optional)
- Markings:**
- CE, RoHS, EN 45501, EN 61000-6-2



EmWeA Prozessmesstechnik e.K.
Günzerode Am Hagen 3
99735 Werther
Germany



Phone: +49 36335 3800-0
Telefax: +49 36335 3800-10
info@emwea.de
www.emwea.de

© EmWeA Prozessmesstechnik e.K. ▪ Subject to change without prior notice!