

CONTROL UNIT MIDI-4101/4201



DATA SHEET

Control Unit MIDI-4000 Model 4101/4201.

For dynamic weighing
applications.

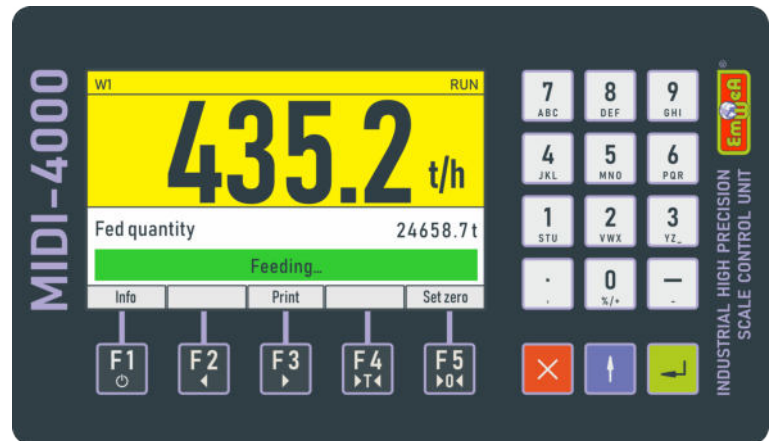
- highest accuracy
- user friendly
- state-of-the-art



High-precision Industrial Control Unit

EmWeA MIDI-4000 was developed for different weighing systems in order to meet the industry's high requirements for particularly accurate weighing of products at fair costs.

The robust stainless steel housing with protection class IP 69K is suitable for indoor and outdoor use. An IP 65 panel mount version and a black box field enclosure without HMI are also available.



Supported Applications

- belt scales
- auger scales
- solids flow meters
- impact flow meters

Performance Characteristics

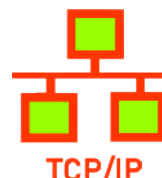
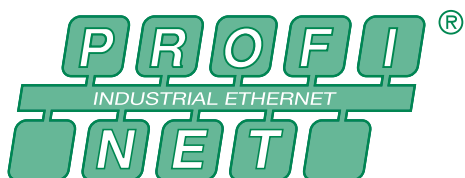
- stainless steel housing for wall, table, or panel mounting
- TFT colour display with very large rate display
- function keys
- intuitive, easy-to-use interface
- condition diagnosis
- high-resolution measuring input
- extremely high measuring frequency
- different models:
 - with or without HMI
 - binary inputs/outputs, and analogue output
 - serial interface
 - fieldbus interface
 - Ethernet
 - USB





Technical Specifications

- Housing:**
- stainless steel housing for wall mounting/table mounting, or panel mounting (depending on model)
 - protection class: IP 69K (dust and waterproof), or IP 65 (depending on model)
- Operating temperature:**
- -10 ... +40 °C
- Electronics:**
- A/D input: legal for trade resolution 10,000 d, internal 524,000 d; 4 or 6 wire
 - measurement rate 800 Hz (800 measurements per second, lower adjustable)
 - 5" (13 cm) color TFT display (depending on model)
 - membrane keyboard, alphanumeric, with function keys (depending on model)
 - extensive calibration functions
 - password and hardware protection
 - real time clock
 - legal for trade ready with internal alibi memory: MID 2004/22/EG; OIML-R50; Class 2, 1 and 0.5 (depending on model)
- Power supply:**
- 110 ... 240 V AC 50 ... 60 Hz or 12 ... 24 V DC (depending on model)
 - fusing must be provided by the customer
- Inputs:**
- input for load cells
 - input for speed sensor or optoelectronic sensor
 - 1 or 2 binary inputs, 24 V DC (depending on model)
- Outputs:**
- 2 binary outputs; optoisolated; 24 V DC; 100 mA (expandable to 6 outputs)
 - 1 analogue output, 0/4 ... 20 mA or 0/2 ... 10 V (depending on model)
- Serial interfaces:**
- RS-232, RS-485, Current Loop, USB (depending on model)
- Bus interfaces:**
- PROFINET®, PROFIBUS®, Ethernet TCP/IP, EtherNet/IP™ (depending on model)
- Markings:**
- CE, RoHS, MID, OIML, ATEX (depending on model)



EtherNet/IP™



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