

Control Unit PRO-6000 Models 6xx5.

For dynamic weighing
applications.

- highest accuracy
- flexibly adaptable
- state of the art technology



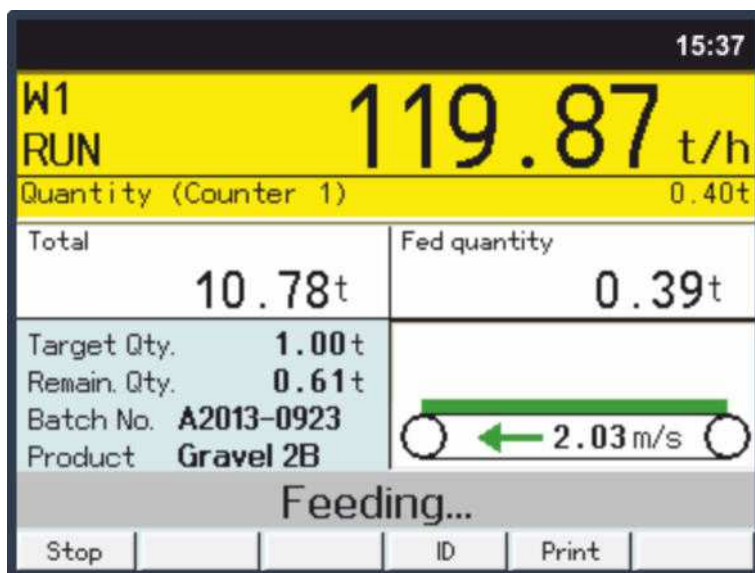
Control Unit PRO-6000

The PRO-6000 control unit is a premium product that offers unique benefits for industrial belt scales, auger scales, and solids flow meters. With its color TFT display, user-friendly interface, and compatibility with various communication protocols, the PRO-6000 is an excellent choice for companies seeking a high-precision weighing integrator with flexible customization options.

The robust stainless steel field housing with the high protection rating of IP 69K is suitable for indoor and outdoor use. An IP 65 version for panel mounting is also available.

Supported Applications

- belt scales (also with angle measurement)
- weigh feeders
- auger scales
- auger feeders
- solids flow meters
- solids flow feeders



Performance characteristics

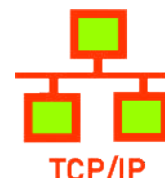
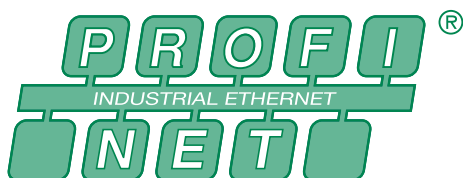
- stainless steel housing for wall/table mounting or panel mounting
- TFT color display with very large throughput display
- alphanumeric membrane keyboard
- maintenance port, data backup
- control function for weigh feeders
- connection for conveyor angle sensor
- condition diagnosis
- high-resolution measurement input
- high measurement frequency
- diverse communication options:
 - binary inputs/outputs
 - analogue inputs/outputs
 - serial interfaces
 - fieldbus interfaces
 - Ethernet; USB





Technical Specifications

- Housing:**
- stainless steel housing for wall/table mounting, or for panel mounting (depending on model)
 - protection class: field housing IP 69K (dust and watertight); panel housing IP 65
- 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 400 Hz (400 measurements per second, lower adjustable)
 - TFT colour display, 115.2 x 86.4 mm, 320 x 240 pixels
 - membrane keyboard, alphanumeric, with function keys
 - PID control function for weigh feeders, auger feeders, or bulk flow feeders
 - alibi memory for 35,000 data records (depending on model)
 - customizable according to customer requirements
 - extensive calibration functions
 - password and hardware protection
 - real time clock
 - maintenance port for data backup/restore and/or remote maintenance (depending on model)
- Power supply:**
- 94 ... 264 V AC 50 ... 60 Hz 450 mA, or 10 ... 30 V DC 2.2 ... 0.6 A (depending on model)
 - fusing must be provided by the customer
- Inputs/outputs:**
- input for speed sensor or optoelectronic sensor
 - connection for conveyor angle sensor
 - binary and analogue inputs and outputs, DeviceBus for connecting external I/O modules (depending on model)
- Serial interfaces:**
- RS-232, RS-485, Current Loop (depending on model)
- Bus interfaces:**
- PROFINET®, PROFIBUS®, Ethernet TCP/IP, EtherNet/IP™, USB (depending on model)
- Markings:**
- CE, UKCA; ATEX Zone 2/22 (depending on model)



EtherNet/IP™



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



+49 36335 3800-0

info@emwea.de
www.emwea.de

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