

MULTI-FUNCTIONAL WEIGHING AND FILLING PROGRAMS





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Dynamic Weighing Instrumentation

The WE503 is a multifunctional weight processor that can be used with a variety of dynamic weighing systems in most applications. It has two totalizers and provides a readout of the actual flow rate in kilograms per hour or tons per hour, or the total weight in kilograms or tons.

In addition to the basic functions of dynamic weighers, the WE503D also has Batch functionality and a PID control function, which can be used to control the capacity in function of a setpoint.

Possible inputs and outputs are analog (4-20 mA), Digital I/O (and counting pulse), RS-232/RS-485, USB port, Modbus RTU, Ethernet TCP/IP, Modbus TCP, Profibus DP, Profinet Ethernet/IP, DeviceNet, CanOpen, Ethercat and Wi-Fi

Part Numbers

Part #	Description
Wall Mount, Table Top and Panel Mount	
185147	WE503

Options/Accessories

Part #	Description
193815	Expansion board (required for analog output and/or analog input option)
185254	Analog output
191745	Analog input
202104	Additional Analog output on SCT2200-AN
201474	TCP/IP (Modbus)
194323	USBC port
194326	USBA IP67-M20 cable
182593	Profibus
182592	Profinet
1 82591	EthernetIP

STANDARD FEATURES/APPLICATIONS

• Industrial design with modular hardware ideal choice for:

Weigh belt feeders

Screw weigh sustems

Bulkslide flowmeters

Impact flowmeters

Loss-in-Weight feeders

Shipping and receiving

Filling of liquid and solid material

Checkweighers

Dynamic weighing and batching systems

Vehicle weighing

Mobile data capture systems

SPECIFICATIONS

POWER: 110 to 240 VAC and 12/24 VDC **EXCITATION VOLTAGE:** 5 VDC, 16 analog 350 0hm load cells

ANALOG SIGNAL INPUT RANGE: 10 mV ANALOG SIGNAL SENSITIVITY: 0,3 μV/e RESOLUTION: 3.000.000 d

MEASUREMENT RATE: Up to 3200 updates/second CIRCUIT PROTECTION: EN 45501 and EN 61000-6-2

LOAD CELL CONNECTION: Four or six wires INTERNAL DATA ARCHIVE: Alibi memoru Graphic LCD display DISPLAY: KEYBOARD: Programmable function keys DIGITAL I/O: 2 inputs and 4 outputs INTERFACES: 2 x RS232, 1 x RS232/RS485

Fieldbus, Ethernet, Bluetooth®, Analog Input, Analog Output OPTIONAL:

Additional digital IO, 6 inputs and 12 outputs USB stick for

data storage 5.000.000

MATERIAI: Stainless steel

RATING:

DIMENSIONS: 243 x 265 x 145 mm OPERATING TEMPERATURES -10°C to 40°C

WARRANTY: One-year limited warranty

APPROVALS:





MID R61





10000e or multiranae 3 x 3.000e. Sinale, multi-ranae or multi-interval