



IT4000E BASIC/COUNT

Weighing and Counting / Filling of Parts

IT4000E BASIC/COUNT is a W&M approved weighing terminal for capturing of weights, parts counting and check-weighing by weight or piece count.

Operator prompting with **clearly structured menus on color screen** with softkeys ensures fast and error-free operation.

Up to two scales of any type may be connected to the terminal, e.g. floor, bench or precision scales.

Parts count is calculated based on **preset reference weights** or by placing reference parts on the weigh platform.

Parts can be counted by **adding parts** into an empty container or by **removing parts** from a filled container.

The bargraph display with changing colors shows the approximation to a chosen target value for checkweighing or counting.

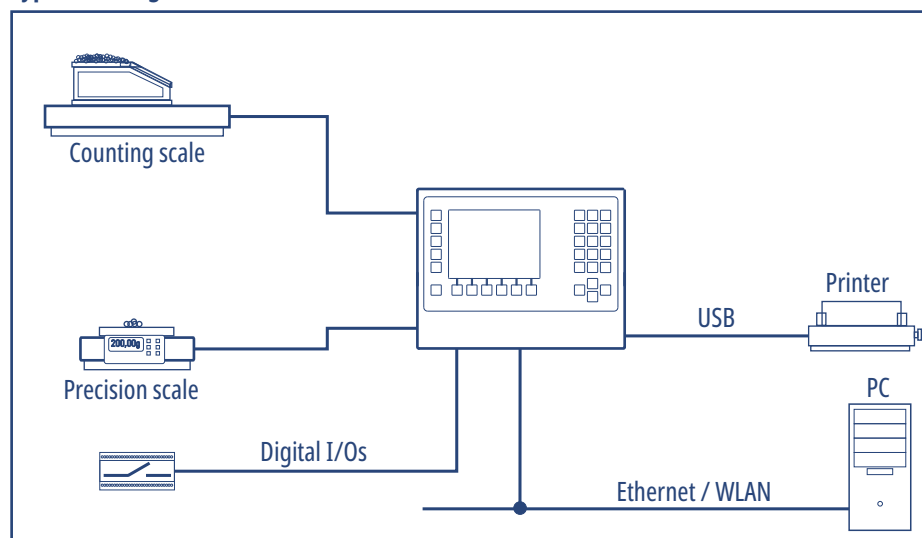
High resolution and fast signal processing enables a rapid and precise parts counting operation.

Several taring options are available, e.g. for the manual or automatic capturing of pallet / container tare or taring of intermediate layers.

Apart from piece count and weight all other application-relevant data can be captured via keyboard entry or scanner.

Data recording can be on strip, label or protocol printers. **Print format is configurable**. Optionally, all data can also be transferred to a host computer. Storage on USB memory stick possible.

Typical Setting:



Operating modes

- Weighing
- Counting
- Totalizing
- Plus / minus checkweighing

Operation

- Simple and fast operation via numeric keyboard and softkeys
- High-contrast, bright color TFT screen
- Input, print and data transfer of application-specific information, such as order number or operator ID is possible
- Operator prompting in English, German, French and Polish (other languages on request).

Typical operation sequence

- Entry of additional data, e.g. order number and shift number
- Entry of article ID
- Put empty container on scale (scale will tare automatically)
- Put 10 reference parts on scale for capturing of average piece weight
- Display of count and weight, fill container with required quantity and confirm
- Automatic piece count and weight capture, printout on weightticket
- Remove container from scale, automatic continuation with next container.

Special functions

- Automatic piece weight enhancement
- Automatic filling to quantity
- Automatic taring when min. load is exceeded
- Calibration with test weight
- Statistical functions
- Function to cancel items etc.

Files

- 10 articles with number, name, reference weight
- 10 tare memories with name and tare weight
- Memory for transactions and statistical data.

Recording

- Protocol, label, files and totals
- Print format configurable on PC.

Printing example:

MM	
Max Marker Inc.	
05.05.17	13:34
Net	0.443 g
Ref. weight	0.0443 g
Ref. parts	10 pcs.
Total	10 pcs.
	
\$R	0.0443

Security

- Power-fail-safe storage of data
- Password protection
- Battery-backed real-time clock.

Weighing electronics

- Integrated signal amplifier for connection of up to 16 strain gauge load cells each in 4- or 6- wire mode
- Calibration as single or multiple-range and as single or multi-interval scale
- W&M approved resolution of 6,000 d with a maximum preload of 80 %, 524,000 d internal resolution
- Connection of platform with digital force transducer or precision scale (option).

Ethernet interface (option: WLAN)

Integrated Ethernet interface with configurable IP address, web server for simplified data exchange in the PC network.

Integrated USB interface (option)

To connect printer, scanner, PC keyboard or to store weighing data on USB stick.

Electrical connections

110 (–15 %)–240 (+10 %) V AC;
50 / 60 Hz, option: 12–30 V DC,
power consumption max. 20 VA.

Operating temperature

–10 °C (+14 °F) to +40 °C (+104 °F),
max. 95 % relative humidity, non-condensing.

Accessories

- Barcode reader for data capturing
- Protocol / label printer.

Ex2/22 version

For installation in Ex zones 2 and 22.

Construction:

Desk/wall version



- Stainless steel housing, IP69K, NEMA 4X
- Dimension W x H x D: 330 x 239 x 134 mm (13.0" x 9.4" x 5.3")

Panel-mount version



- Stainless steel housing, fascia plate protected to IP69K, NEMA 4X
- Dimension W x H x D: 285 x 224 x 69 mm (11.2" x 8.8" x 2.7")
- Cutout in panel: 268 x 207 mm (10.6" x 8.1")

Display / operation:

Parts counting

W1 Max 30000 g e=d= 1 g Min 20 g	
471 Pcs	
Tare 0 g	
0 401 803 (pcs) 1204 1605 2007	
Art.-No. 1 Screws M8	Ref. wgt 14.950000 g Ref. pcs 10 pcs
Parts counting	
Start 10	Sum Tare+ Article ID Print

Display of all relevant data, simple operation with softkeys

Plus / minus checkweighing

W1 Max 30000 g e=d= 1 g Min 20 g	
147 Pcs	
Tare 0 g	
110 130 150 170 190 (pcs)	
Art.-No. 1 Screws M8	Ref. wgt 14.950000 g Ref. pcs 10 pcs
Target 150 pcs	
Min 140 pcs	
Max 160 pcs	
– OK +	
0 2 0	
Check	CAL Menu Print

Filling to target with bargraph display

Directives: 2014/30/EU, 2014/31/EU, 2014/35/EU

Standards: EN 45501, OIML R 76-1, EN 61000-6-2, EN 61000-6-4, NAMUR NE21, EN 62368-1, OIML R 51, OIML R 61, OIML R 107

CE EU Type-examination Certificate as non-automatic weighing instrument

NTEP NTEP approval as indicating element

ETL ETL certified in accordance with UL 62368-1 and CSA C22.2 No. 62368-1

FC EMI compliance with FCC Part 15

Canada Measurement Canada: Approval as indicating element

UK CA Type-examination Certificate as non-automatic weighing instrument