

Parts Counting Terminal - Weights and Measures approved, for user-friendly and economical weighing systems in goods-in, warehouse, production and dispatch areas.



IT3000 COUNT is a W&M approved **weighing terminal** for parts counting, weighing and recording applications.

Housed in a compact and robust **stainless steel enclosure (IP 65)** it enables the data capture and recording of weighing and associated operational data direct in harsh environment weighing locations.

One counting scale of any type can be connected to the terminal, eg floor or bench scale. The connection of a reference scale is also possible.

Parts count is calculated by applying **reference parts to the weigh platform**. During the counting cycle the calculated piece weight is permanently optimized.

Parts counting may be performed by **addition of parts to an empty container** or **by removal of parts from a filled container**. Using the plus/minus display the count to a target quantity can be controlled.

High resolution and fast signal processing of the IT3000 COUNT enables a rapid and precise parts counting operation.

Apart from count and weight all other application-relevant data for goods-in or other weighing stations can be captured.

The operator is guided through the operation with clear prompts on the terminal's display.

Data recording can be on strip, label or form printers.

Print format is configurable. Optionally, all data can also be transferred to a host computer.

Three separate memories for **totals of count and weights** are available.

IT3000 *COUNT* Parts Counting and Weighing Terminal for floor, bench and precision scales

Operating modes:

- Weigh counting into empty containers
- Weigh-out counting from filled containers
- Count checking.

Example operation:

- Keyboard input of additional data, eg order-No. and shift-No.
- Keyboard input of article ID
- Place empty container on scale (scale will tare automatically)
- Place 10 reference parts on scale for determination of average piece weight
- Display of count and weight, fill container with required quantity and acknowledge
- Automatic piece count and weight capture, printout on weigh ticket
- Remove container from scale, enter next article ID to automatically continue
- On sequence end print of all individual and total article transaction sums.

Example for weigh ticket:

Order-No. 50123 Ticket-No. 2345
Date: 02.07.03
Customer-No.120

Item	Article	Pcs	Net
1	123	820	328,0kgC
2	467	700	326,5kgC
3	890	750	327,7kgC
Total:		2270	982,2kg*

Technical features:

Weighing electronics:

- Integrated signal amplifier for connection of one or two scales with up to 16 strain gauge loadcells using 4- or 6-wire technology
- Calibration as single or multiple-range and as single or multi-interval scale
- Weights and Measures approved resolution of 6,000d with a maximum preload of 80%, 524,000d internal resolution.
- Connection of precision scale (option).

Operation:

- Operation is adaptable, eg for goods-in, dispatch, warehouse or production
- Clear operator prompting via 20-character high-contrast display, data entry is via numeric tactile acid-resistant membrane keyboard
- Input, print and data transfer of application-specific information, such as order-No. or operator ID is possible
- Operator prompting in English, French, German, Dutch, Spanish, Italian and Polish (other languages on request).

Special functions:

- Plus/minus count with target
- Display of items already weighed
- Automatic taring.

Printing:

- Print for individual transaction and totals
- Print format is keyboard and PC configurable.

Data files:

- 10 reference weights, access via article ID
- Weight storage for the last 100,000 weighings

Security:

- Data is retained in the event of power loss
- Password protection
- Battery-backed realtime clock.

Interfaces:

2 optional interfaces for peripheral devices

- Ticket / protocol printer or
- Label printer
- Data transfer to PC system
- Printer protocols: 'EPSON' or 'TTY', data transfer protocols: 'TTY', 'STX...ETX', protocol and baudrate configurable
- RS232, 20mA CL passive or RS485.

Enclosures:

- Compact IP65 stainless steel enclosure for desk or wall mounting
- Panel-mount enclosure, fascia plate protection to IP65.

Electrical connection:

115 (-15%) – 240 (+10%) VAC, wide range input, 50/60 Hz, power consumption max. 15 VA; Option: 12 – 30VDC.

Operating temperature:

-10°C to +40°C, 95% relative humidity, non-condensing.

Accessories:

- Support column for floor mounting
- Transparent splash and dust cover.

Mounting versions and dimensions:

Desk / wall version



- Stainless steel housing IP65
- Suitable for desk-top or wall-mount installation
- Dimensions WxHxD: 225x190x145mm

Panel-mount version



- Stainless steel housing, fascia plate protected to IP65
- Installation in control panel
- Dimensions WxHxD: 216x156x61mm
- Cut-out in panel: 199x139mm

IT3000 *COUNT* conforms to: 2006/95/EC, 2004/108/EC, 90/384/EEC, EN 45501, EN 60950, EN 61000-6-2, EN-61000-6-3, NAMUR NE21-02, OIML R76-1, WELMEC Document 2.1

CE EC-approval as non-automatic scale, MID approval as AGFI and CW