



IT4000E TRUCK/ONLINE

Weighing Terminal for Truck Scales. Weights and Measures approved.

IT4000E TRUCK/ONLINE is a weighing terminal for truck scale applications providing an economical and user-friendly weigh station.

The compact and robust construction in **stainless steel** allows the use under difficult operating conditions. The terminal is desk or wall mounted.

Fast and simple operation

An intelligent program with clear operator prompting ensures fast and error-free operation. Weight and associated data are fully captured and documented on a weigh-ticket.

Weighticket

The weighticket contains date, time, vehicle registration number, first and second weights and net weight, product number, product name and additional data.

Because of **Weights and Measures approved storage** of the first weighing, the weighticket is only printed when the truck returns for the second weighing. This simplifies and speeds up the transaction. The print format can easily be adapted to existing formats.

Data files

Storage of product and vehicle data.

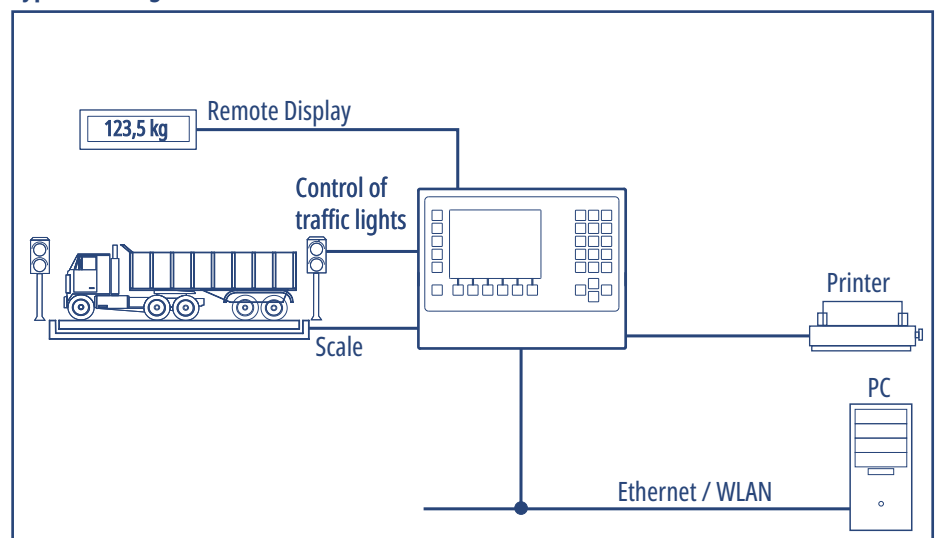
ONLINE operation

In ONLINE mode, operation is PC-controlled. The terminal captures the weights and stores them in a W&M approved data archive.

Options

Control of two traffic lights, data transmission to host system or remote display.

Typical Setting:



Universal use

IT4000E TRUCK/ONLINE can operate with a multitude of weighbridges/load cells up to a capacity of 300 t in W&M approved applications.

Operating modes

- **First weighing** with approved storage of gross or tare weight against a 2-digit ID
- **Second weighing** capturing of gross or tare weight and automatic calculation of net weight. Optionally with axle weighing.
- **ONLINE mode** with full remote control from PC. Data logging and storage of W&M approved weights in the weighing terminal.
- **Axle weighing** to capture the weight of up to 8 axles one after the other (optional, not for W&M approved applications).

Simple and secure operation

Operator is guided on a high-contrast color TFT display. Numeric keyboard with multiple key assignment for the entry of alphanumeric data, tactile acid-resistant membrane keyboard and softkeys or optional full-size PC keyboard.

Security

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

Typical weighing cycle

- **Select first weighing**
- Enter license plate number
- Enter additional data, e.g. product number or operator ID
- Weighing with ticket print and storing of first weight against a 2-digit number.
- **Select second weighing**
- Enter 2-digit number of first weighing
- Weighing of second weight with net weight print.

Data files

- 99 first weights
- 99 vehicle records (12-characters registration number plus tare weight)
- 50 product IDs (20 characters each)
- max. 120,000 entries in W&M approved data archive for later audits
- 600 entries in event/error log file.

Data logging

- Printout of weightickets and files
- Data transmission to host.

Weighing electronics

- Integrated signal amplifier for connection of up to 16 strain gauge load cells 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 max. preload of 80 %, internal resolution 524,000 d
- Option: Connection of digital load cells.

Ethernet interface

Integrated Ethernet interface with selectable IP address for data transmission and remote diagnosis over Internet.

Serial interfaces

- For printer (option)
- For data transmission to PC (option)
- RS232, 20mA CL or RS485 selectable, protocol / baud rate configurable.

Integrated USB interface (Option)

To connect PC keyboard, scanner or printer.

Digital interfaces (Option)

4 opto-isolated inputs/outputs for traffic light control.

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

- Remote display
- External alphanumeric keyboard.

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:

Second weighing

W1	Max 50000 kg	e=d= 20 kg
Min 400 kg		
W1	20280 kg	
Tare	0 kg	
First weight	Second weight	Net weight
10600 kg	20280 kg	9680 kg
Truck: XXX 111		
Prod. Silica sand		
ID1 Building lot 1		
ID2		
Second weighing		
Product	ID1	ID2
	Print	Abort

Entry of data for second weighing, display of first weight and net weight

File select menu

W1	Max 50000 kg	e=d= 20 kg
Min 400 kg		
W1	0 kg	
Tare	0 kg	
Settings\Files		
1 Products		
2 Trucks		
3 Save files (USB)		
4 Load files (USB)		
		Exit

Clearly structured menus for selection of files

Directives: 2014/30/EU, 2014/31/EU, 2014/32/EU, 2014/35/EU

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

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

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

UKCA Type-examination Certificate as non-automatic weighing instrument