



IT4000E CONTROL/ONLINE

Remote-controlled Weighing Terminal

IT4000E CONTROL/ONLINE is a W&M approved industrial weighing terminal which can be remotely controlled over Ethernet or serial interface from a PC.

Taring, zero setting and other functions can alternatively be released via digital inputs (from external push buttons). Four configurable setpoints are available.

The controller is available in two styles:

- **Compact stainless steel enclosure** for desk or wall mounting
- **Panel-mount** version.

Scales of any type can be connected to the terminal, e.g. floor, bench or precision scales.

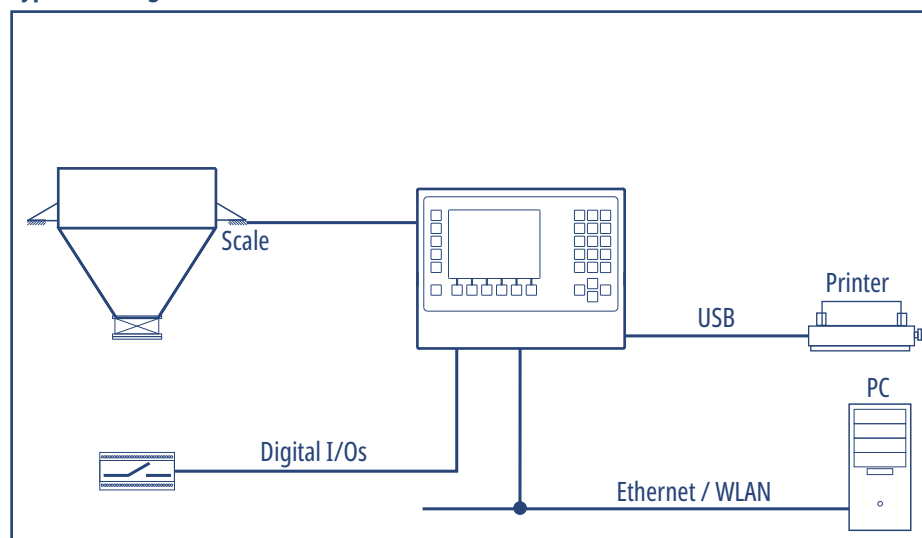
With a printer connected to the **IT4000E CONTROL/ONLINE** terminal, W&M approved records can be obtained. Layout and format of printing can be controlled from the PC.

The integrated **approved data archive** eliminates the need to use a separate log printer.

Supported ONLINE commands from PC:

- Capture weight
- Tare scale / Set Zero
- Position cursor on template
- Show text, acknowledge message
- Enter or scan data
- Print
- Read inputs, e.g. state of limit switches or light barriers
- Set outputs, e.g. to control traffic lights or roller conveyors.

Typical Setting:



Remote control (ONLINE)

IT4000E CONTROL/ONLINE enables the simple creation of intelligent weighing locations, e.g. for production, shipping / receiving or truck scales.

The weighing terminal is connected to the Ethernet LAN or a serial interface.

The PC software transmits commands to control the operating sequence.

IT4000E CONTROL/ONLINE responds to each command with an 'acknowledge' data string.

The PC program is always in full control of the complete sequence of the operation and the printouts. The following example demonstrates how the PC, with 3 commands, controls the manual weighing operation to a target weight:

Example:

- The PC sends the tare command *TA*.
The scale is automatically tared and a status message is returned to the PC.
- The PC sends the command to display: *FILL 100 kg*. The weighing terminal displays the prompt 'FILL 100 kg' and sends the code of the acknowledge key back to the PC.
- The PC sends the weight capture command *RN*. The weighing terminal captures the weight as soon as the scale has settled and returns a data string containing date, time, gross, tare and net weight to the PC.

Control commands

- Capture weight, settled or in motion (approved data archive for max. 120,000 weighing transactions)
- Manual tare
- Autotare
- Show text with/without acknowledgement
- Data entry in response to a displayed operator prompt
- Print gross, net or tare weight
- Read digital inputs
- Set digital outputs on/off.

Setpoint functions

Max. 4 setpoints for min. or max. or range checks or scale status. Digital inputs for zero setting, taring, printing, storing of weight etc.

Display and keyboard

Bright, wide-angle, high-contrast 5.7" TFT color display. Keyboard with acid-resistant overlay, optional via external USB keyboard.

Weighing electronics

- Integrated signal amplifier to connect up to 16 strain gauge load cells in 4- or 6-wire mode
- 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 (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 or PC keyboard.

Serial interfaces (option)

To connect printer, remote display or PC.

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

- PC COM+ Active-X component for the connection to PC programs
- External relay module.

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")

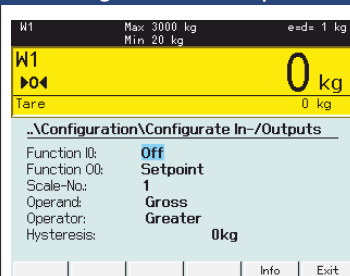
Display / operation:

WLAN



- Option: WLA module to connect to WLAN networks (802.11b/g)
- Secure communication selectable

Configuration of setpoints



Input dialog to configure functions of setpoints

Directives: 2014/30/EU, 2014/31/EU, 2014/53/EU

Standards: EN 45501, OIML R 76-1, EN 61000-6-2, EN 61000-6-3, 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

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