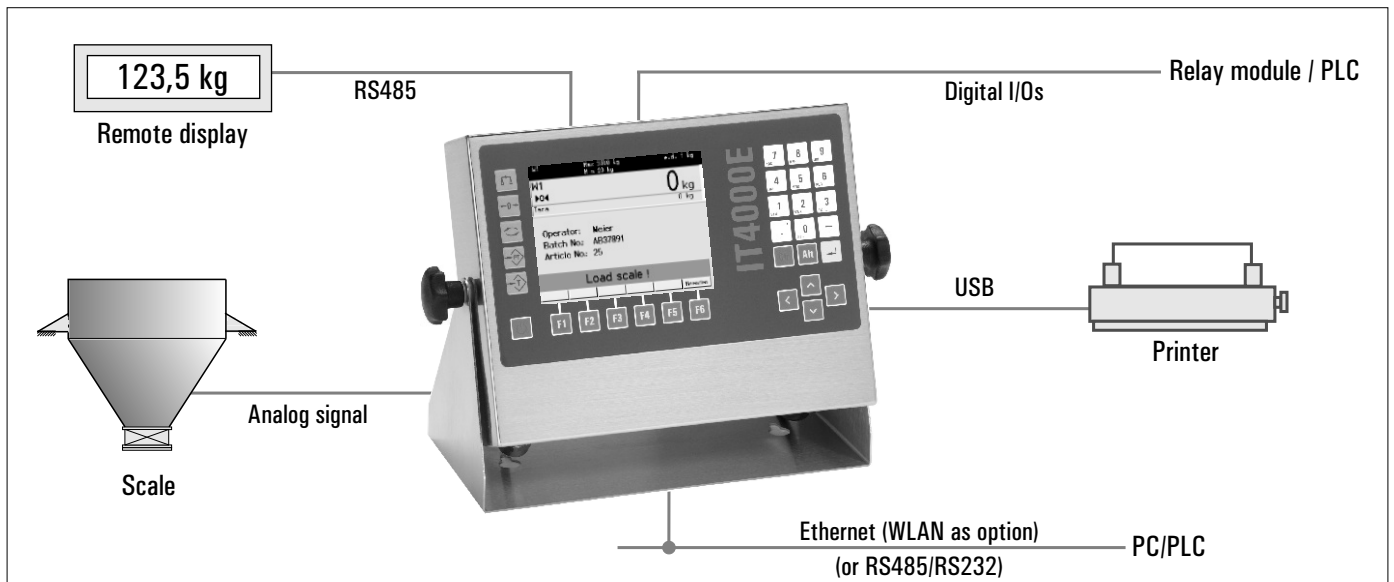


Remote-controlled Weighing Terminal with Setpoint Function



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

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

Housed in a **compact and robust stainless steel enclosure (IP65)** the terminal enables the data capture and recording of weighing and associated operational data **direct in harsh environment weighing locations.**

Scales of any type can be connected to the terminal, eg 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
- Position cursor on template
- Show text, acknowledge message
- Enter or scan data
- Print
- Read inputs, eg state of limit switches or light barriers
- Set outputs, eg to control traffic lights or roller conveyors.

Remote control (ONLINE):

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

The weighing terminal is connected to the Ethernet LAN and a PC 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 full-size PC keyboard or scanner.

Weighing electronics:

- Integrated signal amplifier for connection of up to 16 strain gauge loadcells in 4- or 6- wire mode
- W&M approved resolution of 6,000d with a maximum preload of 80%, 524,000d 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:

115 (-15%) – 240 (+10%) VAC;
50/60 Hz, option: 12–30VDC,
power consumption max. 20 VA.

Operating temperature:

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

Accessories:

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

Construction:

Desk/wall version



- Stainless steel housing, IP65
- For desk-top or wall-mount installation or with optional column for floor mounting
- Dimension WxHxD: 330x239x134mm

Panel-mount version



- Stainless steel housing, IP65
- Panel-mount installation
- Dimension WxHxD: 285x224x69mm
- Cut-out in panel: 268x207mm

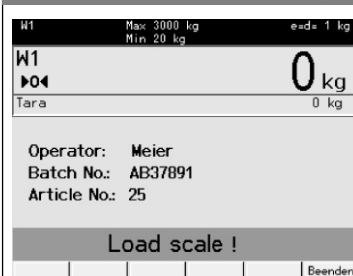
Display / operation:

WLAN



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

Remotely controlled dialog



Input dialog controlled from PC

Directives: 2009/23/EG, 2004/108/EG, 2006/95/EG, 2004/22/EG

Standards: EN 45501, OIML R76-1, EN 61000-6-2, EN 61000-6-3, NAMUR NE21, EN 60950

CE EC approval as non-automatic weighing instrument

ETL ETL certified in compliance with UL 60950-1 and CSA C22.2 No. 60950-1

FC EMI compliance with FCC Part 15