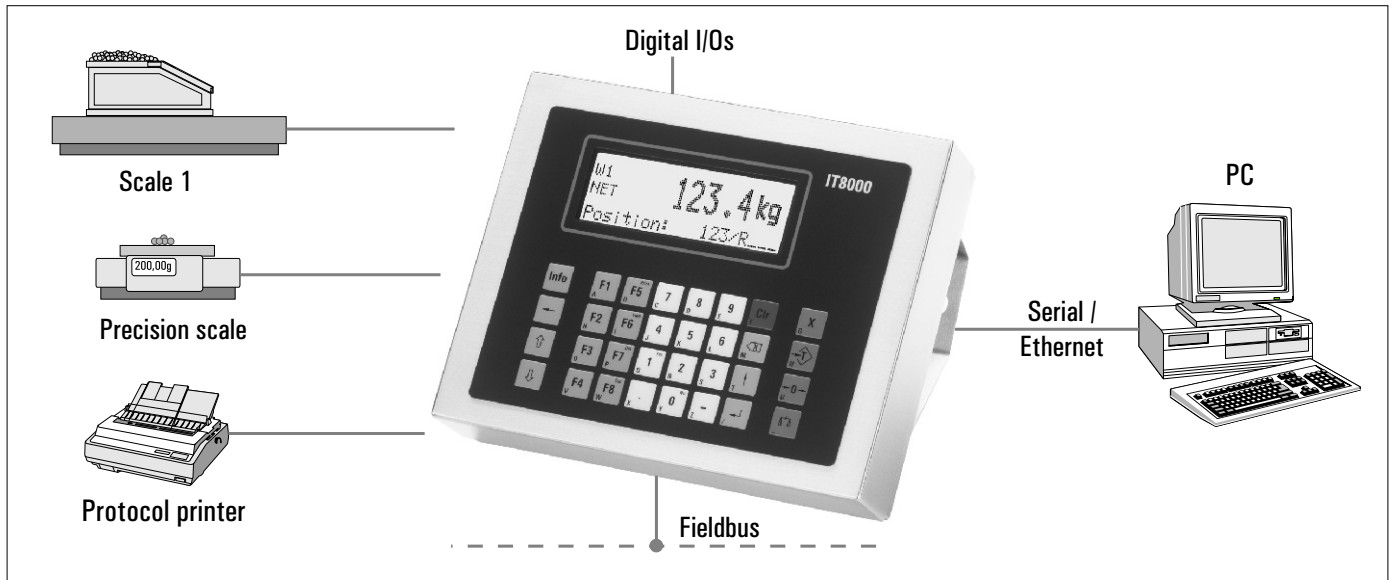


## Remote-controlled Weighing Terminal, Weights & Measures Approved, for the Capture of Weight and Operational Data in Industrial Applications



**IT8000 ONLINE** is an industrial weighing terminal which is controlled from a remote computer through a serial interface.

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

Up to eight scales of any type can be connected to the terminal, eg floor, bench or precision scales.

High resolution and fast signal processing of the **IT8000 ONLINE** enables rapid and precise weight measurements.

The host PC, located in an office, sends commands for the capture of weight, operational data and control to the **IT8000 ONLINE.**

Some of these commands/functions are:

- Capture weight
- Tare
- Display prompt text, operator acknowledgement
- Enter data via the keyboard
- Print
- Monitor digital inputs
- Set digital outputs.

Weights, data entered or conditions of switches, light barriers, etc., are transmitted to the PC and may undergo further processing by the host PC.

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

An approved hardcopy of weight data can be recorded if a printer is connected to the **IT8000 ONLINE.** The print format is configurable from the PC.

The integral **approved data archive** eliminates in many instances the use of a separate log printer.

### Remote control:

The **IT8000 *ONLINE*** enables the simple creation of intelligent weighing locations. The weighing terminal is connected via a serial data cable to a serial PC interface. A PC program sends control commands for an operating sequence (eg data entry via keyboard).

**IT8000 *ONLINE*** responds to each command with an 'acknowledge' data string (eg including the data entered). The PC program is always in control of the complete sequencing of the operation.

The following example demonstrates how the PC, with 3 commands, controls the manual weighing operation to a target weight:

### Example operation:

- The PC sends the tare command *TA* - The scale is automatically tared and a status message is send back 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 key code of the acknowledge key back to the PC.
- The PC sends the weight-capture-after-scale-has-settled command *RN*-. The weighing terminal captures the weight as soon as the scale has settled and sends a data string containing date, time, gross, tare and net weight to the PC.

### Operation:

- Operation is PC-controlled, eg for production, goods-in, dispatch, truck weighing, etc.
- Operator is guided on a high-contrast alphanumeric display. Data entry is via alphanumeric tactile acid-resistant membrane keyboard.

### Control commands:

- Scale selection (1 - 8)
- Capture weight, settled or in motion
- Manual tare
- Auto tare
- Text prompt with/without acknowledgement
- Operator prompt with requested entry
- Print gross, net or tare
- Read digital inputs
- Set digital outputs on/off.

### Printing:

- Freely selectable print formatting from PC
- Approved printout of gross, tare and net weights possible.

### Files:

- 8 preset tare memories
- Data archive for up to 217,000 gross and tare weights for later audits.

### Security:

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

### Weighing Electronics:

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

### Serial interfaces:

- for data transfer to PC
- for printer (option), printer protocols 'EPSON' or 'TTY'
- selectable RS232, 20mA CL or RS485, protocol/baudrate configurable.

### Ethernet connection:

Optional built-in Ethernet interface.

### Digital interfaces:

- Max. 4 opto-isolated inputs and max. 4 opto-isolated outputs
- Option: external relay module with up to 64 I/Os
- Option: Profibus DP or DeviceNet.

### Electrical connections:

110 (-15%) - 240 (+10%) VAC, 50/60 Hz, option: 12 - 30VDC, power consumption max. 25VA

### Operating temperature:

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

### Ex version (option):

Model **IT8000Ex** with ATEX approval for installation in hazardous area, zone 1 (gas) or zone 21 (dust), with limited interface options (see IT8000Ex leaflet).

Model **IT8000 Ex2/22** with ATEX approval for installation in hazardous area, zone 2 (gas) or zone 22 dust).

### Construction:

#### Desk / wall version




- Stainless steel housing, IP65
- Available for desk-top or wall-mount installation or with optional column for floor mounting
- Dimensions WxHxD: 260x210x135mm

#### Panel-mount version



- Stainless steel housing, fascia plate protected to IP65
- Panel-mount installation
- Dimensions WxHxD: 260x215x70mm
- Cut-out in panel: 243x198mm

**Directives:** 2009/23/EC, 2004/108/EC, 2006/95/EC

 EC approval as non-automatic weighing instrument


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

 Russia: Approval as non-automatic weighing instrument

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

 NTEP-approval as non-automatic weighing instrument

 EMI compliance with FCC Part 15

 Ukraine: Approval as non-automatic weighing instrument

 Mesures Canada: Approval as non-automatic weighing instrument