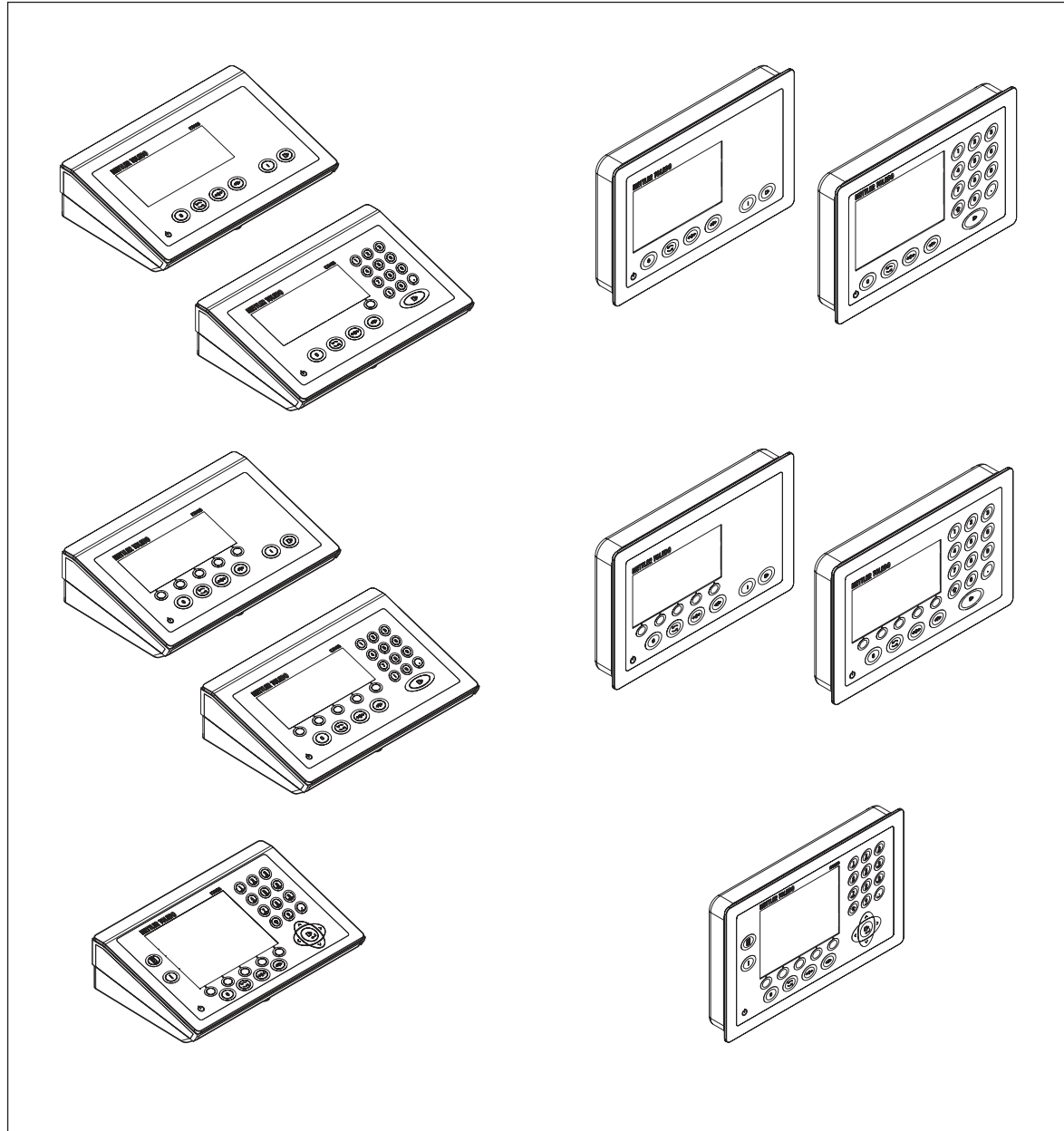


# ICS4\_\_ / ICS68\_ Weighing systems



**METTLER TOLEDO**

# METTLER TOLEDO Service

Congratulations on choosing the quality and precision of METTLER TOLEDO. Proper use of your new equipment according to this User manual and regular calibration and maintenance by our factory-trained service team ensures dependable and accurate operation, protecting your investment. Contact us about a service agreement tailored to your needs and budget. Further information is available at [www.mt.com/service](http://www.mt.com/service).

There are several important ways to ensure you maximize the performance of your investment:

1. **Register your product:** We invite you to register your product at [www.mt.com/productregistration](http://www.mt.com/productregistration) so we can contact you about enhancements, updates and important notifications concerning your product.
2. **Contact METTLER TOLEDO for service:** The value of a measurement is proportional to its accuracy – an out of specification scale can diminish quality, reduce profits and increase liability. Timely service from METTLER TOLEDO will ensure accuracy and optimize uptime and equipment life.
  - **Installation, Configuration, Integration and Training:**  
Our service representatives are factory-trained, weighing equipment experts. We make certain that your weighing equipment is ready for production in a cost effective and timely fashion and that personnel are trained for success.
  - **Initial Calibration Documentation:**  
The installation environment and application requirements are unique for every industrial scale so performance must be tested and certified. Our calibration services and certificates document accuracy to ensure production quality and provide a quality system record of performance.
  - **Periodic Calibration Maintenance:**  
A Calibration Service Agreement provides on-going confidence in your weighing process and documentation of compliance with requirements. We offer a variety of service plans that are scheduled to meet your needs and designed to fit your budget.

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# 1 Documentation

## 1.1 This Quick Guide

This Quick Guide is applicable for the following products:

Terminals	Scale interfaces	Terminal and platform combinations / Compact scales
ICS425 ICS435 ICS445 ICS465 ICS685	...g ...i ...k ...s	.../f .../t
Terminals	Scale interfaces	Terminal and platform combinations
ICS429 ICS439 ICS449 ICS469 ICS689	...g ...i ...s	.../c .../f .../t

### Example: ICS425s-.../f

This is a compact scale with ICS425 weighing terminal, SICSPRO scale interface and fixed connection of weighing terminal and weighing platform.

## 1.2

### Further documents



In addition to this printed Quick Guide you are supplied a CD-ROM with the following contents:

- User manuals
- Data sheets
- Videos
- Brochures

## 2 Safety instructions



### General

- ▲ Do not use the device in a hazardous environment. Special devices are available in our range of products for hazardous environments.
- ▲ The safety of the device cannot be ensured if it is not operated in accordance with these operating instructions.
- ▲ Only authorised personnel may open the device.



### Devices with protection level IP54 or IP65

Devices with protection level IP54 or IP65 are protected against dust and splashing of water respectively dust-tight and protected from water jets according to EN 60529. They are suitable for use in dusty environment and brief contact with liquids.

- ▲ Ensure that the device is dried off again after coming into contact with liquid.
- ▲ Do not use the device in environments with a risk of corrosion.
- ▲ Do not flood the device or submerge it in liquid.



### Devices with built-in power supply unit

- ▲ Ensure that the power socket outlet for the device is earthed and easily accessible, so that it can be de-energised rapidly in emergencies.
- ▲ Ensure that the supply voltage at the installation site lies within the range of 100 V to 240 V.
- ▲ Ensure that there is a space of at least 3 cm (1.25") at the rear in order to prevent the power cable from being bent too strongly.
- ▲ Check the power cable regularly for damage. If it is damaged, immediately disconnect the device from the power supply unit.



### Devices with built-in storage battery

- ▲ Only use storage batteries from the manufacturer.
- ▲ Do not use the battery charger in humid or dusty rooms or below 0 °C (32 °F) ambient temperature.
- ▲ After the storage battery has been charged, the cover cap of the charging socket at the device must be closed.



### Compact scales / Terminal and platform combinations

- ▲ Avoid falling loads, shock loads as well as impacts from the side.
- ▲ The maximum static safe load must never be exceeded. Observe the operation limits, see technical data of the connected weighing platform.

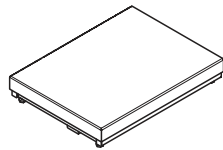
# 3 Operation

The following illustrations are arranged in two columns:

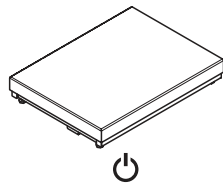
- left side state of the scale or keystroke
- right side corresponding display

## 3.1 Switching on/off

Switching on

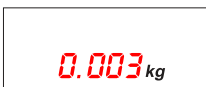
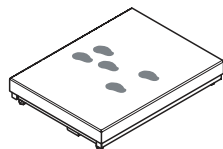


Switching off



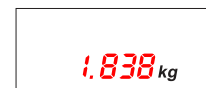
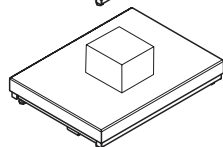
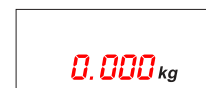
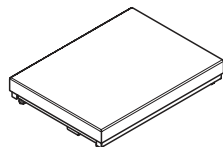
Press and hold the key until OFF is displayed.

## 3.2 Zeroing



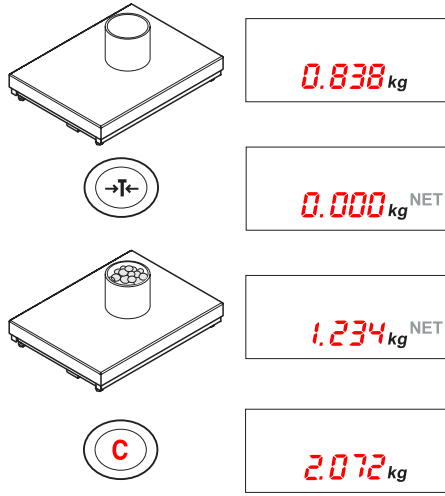
Zeroing corrects the influence of slight changes on the load plate or minor deviations from the zero point.

## 3.3 Straight weighing



### 3.4

#### Taring

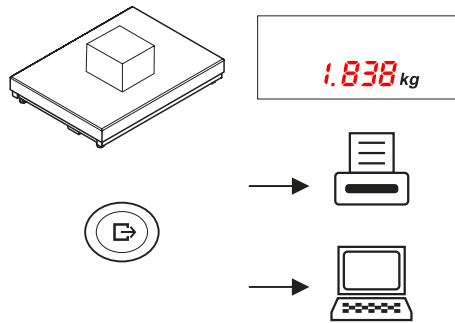


When the scale is tared, the NET symbol is displayed.

When the tare is cleared, the gross weight is displayed.

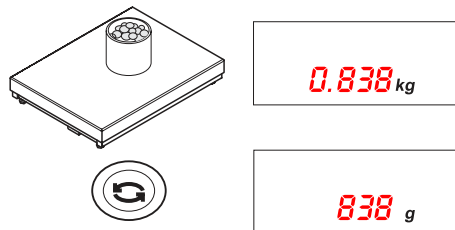
### 3.5

#### Printing or transferring data



### 3.6

#### Switching weight unit



## 4 Cleaning



### Risk of electric shock

- ▲ Before cleaning, unplug the power plug in order to disconnect the terminal from the power supply.
- ▲ Cover open connectors with protective caps.

### General cleaning instructions

- Clean the protective cover (accessory) separately. The protective cover is dishwasher-safe.
- Take off the load plate and remove any dirt and foreign substances which may have collected underneath. Do not use any hard objects to do so.
- Do not disassemble the weighing device.
- Remove any possibly remaining detergent by cleaning with a wet cloth.
- Observe all the existing regulations on cleaning intervals and permissible cleaning agents.

### For devices with IP69k protection level

- To prolong the lifetime of the load cell, dry it with a soft lint-free cloth immediately after cleaning.

### Cleaning of other weighing platforms than described in this user manual

- Make sure to observe the cleaning instructions for the connected weighing platform. The weighing platform may not be designed for the environments and cleaning procedures described above.

For more details on the recommended cleaning procedure and cleaning detergents refer to the corresponding User manual.

## 5 Disposal



In conformance with the European Directive 2002/96 EC on Waste Electrical and Electronic Equipment (WEEE), this device may not be disposed of with domestic waste. This also applies to countries outside the EU, according to their specific requirements.

Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment.

If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.

Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related.

Thank you for your contribution to environmental protection.



# Documentation CD-ROM

[www.mt.com/service](http://www.mt.com/service)

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Subject to technical changes

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