PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN SET-04

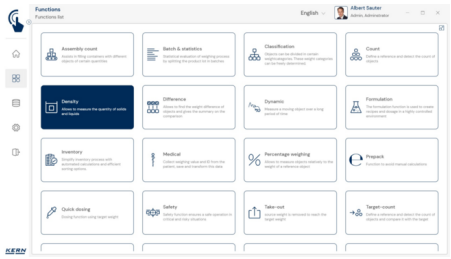
EasyTouch Density – Density determination function

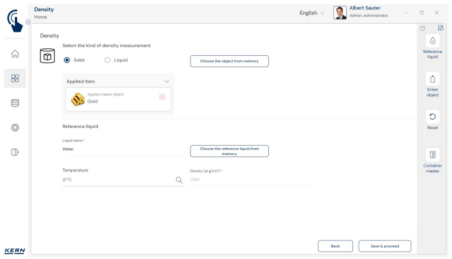
ENGLISH

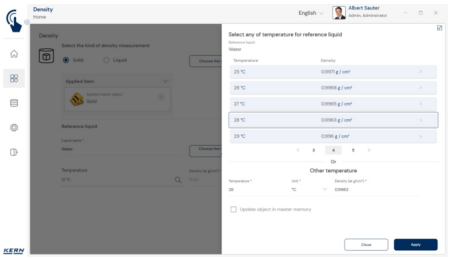
CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com


Functions
Assembly count
Batch & statistics
Classification
Count
Density
Difference
Dynamic
Formulation
Inventory
Medical
Percentage weighing
Prepack
Quick dosing
Safety
Take-out
Target-count


Density
Select the kind of density measurement
Solid
Liquid
Choose the object from memory
Applied item
Reference liquid
Choose the reference liquid from memory
Temperature
Back
Save & proceed


Density
Select any of temperature for reference liquid
Other temperature
Close
Apply

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FEATURES

- Note: Prerequisite for this set is the basic program SET-01 Base
- Guidance through density determination of solid matter and liquids is particularly user-friendly and uses graphics, the density is calculated and output immediately
- The density function permits professional determination of density of solid objects and liquids in accordance with the gravimetric-Archimedean principle. To do this, you would typically use a precision balance with [d] = 0.01 g or 0.001 g or an analytical balance with [d] = 0.1 mg and density determination kit
- For samples, which, due to their size or shape, do not fit in the sample pan or beaker of the density kit, we recommend density determination using a balance with a suspended weighing device
- Determining density of solids using buoyancy: Selection of predefined liquid media is also possible, as well as the definition of individual liquid media with their specific density at a specific temperature. This means that individual liquid media at individual temperatures can be added with their specific density values.
- Determining densities of liquids using special plummets (optional) with defined volume Individual plummets can also be created and stored in the master data memory
- Predefined workflow supports the user in a step-by-step procedure to determine density. In this way, errors in the work sequence and calculation errors are kept to a minimum
- PC print function and barcode scanning function: By operating KERN EasyTouch in a Windows® or Android™ environment you can use the full PC/tablet accessory infrastructure. In particular, standard Windows printers and PC label printers can print out extensive counting slips or compact adhesive labels with the count result to suit your requirements
- ID security offers the possibility of saving every density result obtained with a unique ID number (Dynamic Object ID) and an ID name (Dynamic Object Name)

Basic and advanced modes: quick and easy to use in everyday working life

- EasyTouch is used in many professional applications to support weighing processes. The user's focus is usually on another primary activity – the weighing process is simply an integrated sub-step. This is why it should be as simple, clear and designed for error-free use as possible
- The so-called basic mode reduces the user interface to the essentials and ensures simple, user-friendly operation. Procedure in basic mode: In basic mode, the user simply selects the desired item, for example by scanning a barcode. The system then automatically performs the assigned function, such as weighing, piece counting, tolerance checks or other specific processes. The data is then saved - that's it. This automated procedure minimises sources of error and significantly optimises the workflow
- All functions are fully available in advanced mode. It is ideal for experienced users who regularly work with more complex requirements

Options

- The central data memory function Save Server (SET-10) for additional storage of all measurement data in a central, local server directory. By doing this the measurement data of all connected EasyTouch weighing systems as well as from all installed EasyTouch functions will be stored. A particular benefit of doing this for those users with several weighing systems is that all weighing data is consolidated in just one database and you can search for individual measurement data from several balances in just one table. The Save Server data memory is also tamper-proof and cannot be changed
- Sets for density determination for the KERN precision balance being used, can be retrofitted. KERN will be happy to help you select the right product
- Plummet for determining the density of liquids with defined volume, KERN YDB-A04

License information

- Licensing: One license can be operated on one terminal device (PC, laptop, Android-tablet)
- User: You can store as many users as you need in one license
- Balances: You can store and operate as many balances as you need in one license

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- Communication between balance/terminal device: The balance(s) can communicate with the PC, laptop or tablet by serial connection, USB, Bluetooth, Ethernet or WiFi

PLEASE NOTE FOR YOUR ORDER

- Prerequisite for this set is the basic program SET-01 Base

PICTOGRAMS

Standard

Option

KERN Pictogram Overview

	EasyTouch: Suitable for the connection, data transmission and control through PC or tablet
	Central user administration for KERN EasyTouch functions. Primary master data, for example, first name, surname, image, is stored for a user. Each user is assigned a user role, which has individually configurable permissions in the KERN EasyTouch App. Through this structure you can create standard users, supervisor users, etc. You can log into the KERN EasyTouch App with a user name and a password.
	All printed and stored weighing and measuring data is stored in this memory. The data is stored either on the local display device or centrally – for all connected weighing systems – in a server directory (Save-Data Server or Save-Data Cloud). Dynamic data can be recalled and printed out at any time and/or exported as a table.
	All stored data is saved in a tamper-proof manner. Changes to master data are also saved in the dynamic data memory in a tamper-proof manner (Data Traceability)
	Device qualification: standard-compliant qualification concept, which includes the following validation services: Installation qualification (IQ), function qualification (OQ)
	Central data memory function for additional storage of all measuring data in a central, local server directory. This is where measuring data is stored from all weighing systems connected using KERN EasyTouch, as well as all installed KERN EasyTouch functions. The advantage of this, particularly for users with several weighing systems, is having all weighing data consolidated in just one database and only having to search for individual measuring data from different balances in one table. Save-Server data storage is also tamper-proof and cannot be changed.

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