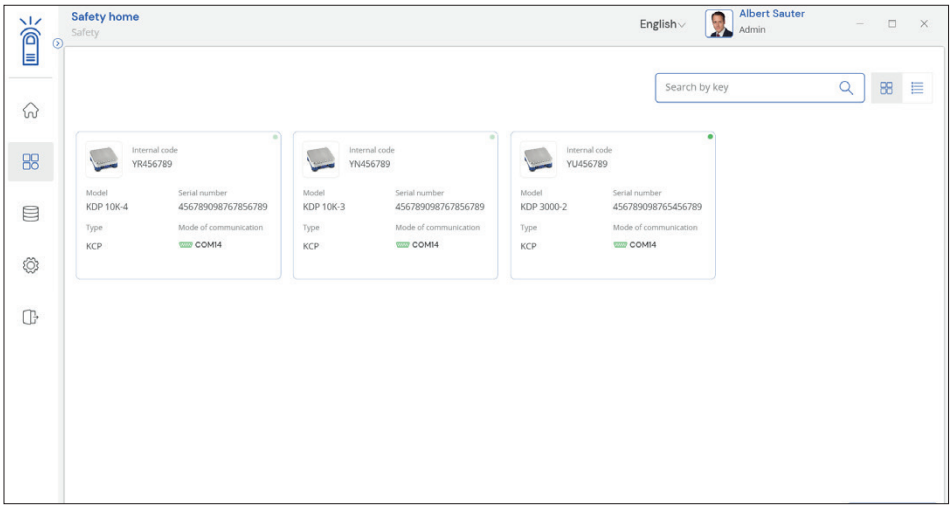
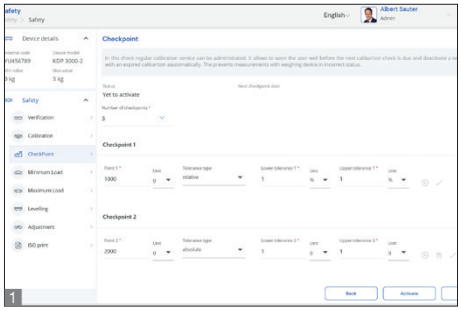
KERN SET-11 EasyTouch Safety



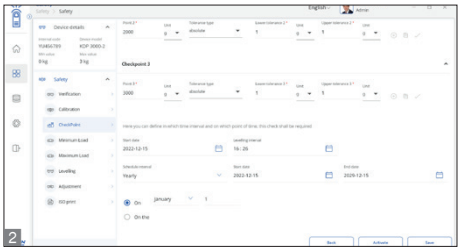
ET Safety - Precision and Safety function

Features

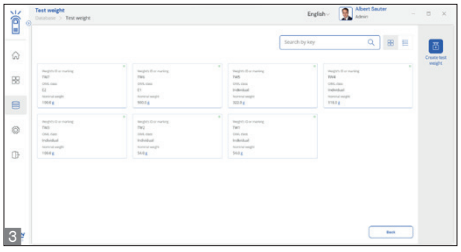
- Note: the required basis is **SET-01 ET OS** (basic package)
- KERN EasyTouch **Precision and Safety** offers a direct overview of the metrological status of all relevant balances, with active checks (green) and failed checks (red)
- When it really matters whether a specific balance can even be used as a measuring device, or you need to ensure that the balance is always in perfect working order from a metrological point of view, the KERN EasyTouch Precision and safety function offers a range of tools, to guarantee this safety
- 1 **Checkpoint function – checkpoints:** This function allows you to specify defined check points for any balance (even those from other manufacturers) These checkpoints always relate to a specific nominal load (e.g. 100.0 g). For each balance, you can create one checkpoint or several checkpoints. If required, the system suggests automatically calculated checkpoints. For each checkpoint you can store a specific, permitted tolerance, i.e. you can specify a lower and upper tolerance
- 2 **Checkpoint function – time interval**: This function allows you to specify particular time intervals for each balance, after which a mandatory check of the defined checkpoints must be carried out. In this way you can, for example, define several checks per day at specific times or one check per week. E.g. daily, 8.00 a.m. each day, etc.
- 3 **Checkpoint function – test weights**: With this function, very specific test weights can be assigned to particular checkpoints. By storing specific test weights, the user can be shown which test weight is to be used for which checkpoint. The system makes sure that when selecting the weights automatically, only those test weights can be selected, for which the permitted OIML tolerance is less than the permitted tolerance of the particular checkpoint
- 4 **Checkpoint function – calibrated test weights**: Using this function you can store possible calibration data for the maintained test weights. In real terms, a calibration interval and the date of the most recent calibration as well as the conventional mass of the test weight of the last calibration can be stored
- 5 **Checkpoint function – checking and consequences**:
This means that a balance, for which the checkpoint function is activated, can be used fully, as long as all checkpoint tests have been successfully passed. If a check is not successful, the balance will be blocked, which means that data from this balance can no longer be saved or printed. 6 A check is deemed to have failed, if the display in one or several checkpoints is outside the permitted tolerance, if the calibration intervals for one or several test weights has expired and have not been renewed. If the conventional mass of one or several test weights is established to be outside the permitted OIML tolerance, then the system prompts the replacement of these weights for all affected checkpoints



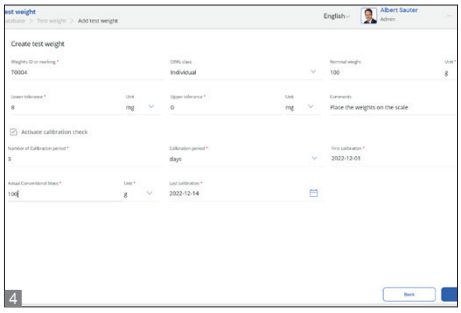
Checkpoint function - checkpoints



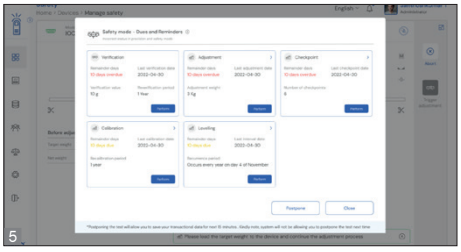
Checkpoint function - time interval



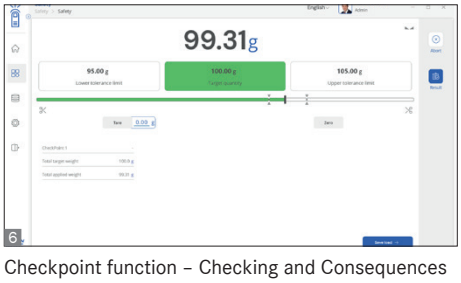
Checkpoint function - test weights



Checkpoint function



Checkpoint function – Checking and Consequences



Checkpoint function – Checking and Consequences

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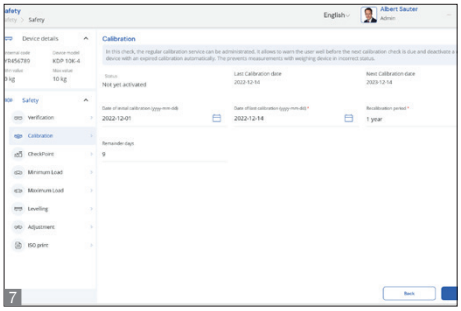
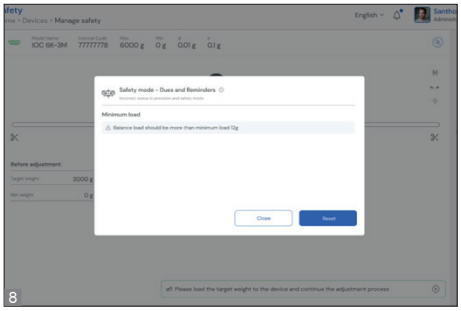


Calibration and verification checking



Level check

ISO Protocol

- **Adjustment check**: This is where each individual adjustment interval is assigned – depending on the risk assessment. KERN EasyTouch precision and safety prompts the user to adjust the balance in good time. If the user does not carry out the adjustment, then the weighing results cannot be saved.
- **Activating** a balance after a it has been blocked: This option is available to a specific user group (e.g. laboratory administrators), after the dubious check has been carried out with a positive result
- **Temporary suppression** of upcoming tests can be allowed through the administrator setting. However only for a maximum of 30 minutes after the check was due, in order to finish an operation properly
- **Minimum weight check:** This function permits the storage of an individual minimum weight for each balance. As long as the weighing result remains below the minimum weight, the balance will be blocked
- 7 **Calibration and verification check:** In this function, a verification period and a calibration period can be created and maintained for each balance. If the period goes past without the calibration or verification being updated, then the balance will be blocked
- 8 **Level check:** With this function, each balance can be visually checked to make sure the device is level. The user is prompted at specific times to confirm that the balance is perfectly level. If the user does not give a positive confirmation, the balance will remain blocked
- 9 **ISO Protocol:** The ISO Protocol can be selected for each active balance. In this protocol, the exact status of the balance is output - as of the time of the printout. In this protocol, the user has an immediate overview of the verification and calibration status of the balance, the most recent checkpoint checks, the individual minimum load and the latest level check

Options

- 7 **Save-Server** 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, KERN SET-10
- **Save-Cloud:** Has the same central data memory function as the Save-Server for all weighing systems connected to KERN EasyTouch. The difference is that in Save-Data Cloud, the storage location is a KERN Server, which can be accessed over the internet, instead of a server in a local network. Setting up Save-Data Cloud functionality takes place automatically and does not require a network administrator on the user side, KERN SET-101

Technical data

- Licence model: A license can be operated on up to four terminal devices (PCs, laptops, tablets) at the same time and independently
- User: An unlimited number of users can be created in one license.
- Balances: You can create and operate as many balances in one licence as you want
- Communication between balance/terminal device: Balances can communicate with the PC, laptop or tablet by serial connection, USB, Bluetooth, Ethernet or WIFI

STANDARD

OPTION