

Convenient way to test the torque of tools

Features

STANDARD

PEAK

- Particularly suitable for testing torque wrenches, electric hand screwdrivers and cordless screwdrivers
- **2** Torque pick-up system for dynamic testing of electric screwdrivers
- Metal housing for continuous use in tough environmental conditions
- Capacity display: A bar lights up to show how much of the measuring range is still available.
- B LCD graphics display with backlight
- Rubber feet with anti-slip feature at SAUTER DB 0.5-4 up to DB 10-3
- **4** Stable mounting plate for solid fixation at SAUTER DB 20-3 up to DB 500-2
- USB and RS-232 data interfaces included
- Scope of delivery: Torque pick-up, sturdy carry case, mounting plate (models with [Max] ≥ 20 Nm)

USB

STATISTIC

UNIT

• 688. •

RS 232

- Internal data memory saves up to 500 measurements. The memory contents can be transferred to the PC using optional software
- **Peak hold function** to capture the peak value or **Track-Funktion** for continuous display of measurement
- Can be used in both directions of rotation
- Limit value function, programming of Max./Min., in pull and push direction, with output of acoustic and optical signal. Ideal mode for efficient and accurate testing of standard parts
- AUTO-OFF function

ACCU

230 V

TOL

Technical data

- Backlit LCD graphics displayUnits can be selected:
- Nm, lbf-in, kgf-cm, kgf-m, ft-lbf • Precision: ± 0,5 % of [Max]
- Measuring frequency: 1000 Hz
- Usable measuring range:
- 5–100 % of [Max]
- Overload protection: 150 % of [Max]
- Rechargeable battery pack integrated, standard, operating time up to 18 h without backlight, charging time approx. 14 h
- Overall dimensions W×D×H 200×100×50 mm
- Net weight approx. 3 kg

Accessories

- Plug-In for data transfer of measuring data from the measuring instrument and transfer to a PC, e.g. in Microsoft Excel[®], SAUTER AFI-1.0
- Force-time data transfer software for graphical representation on the PC and data transfer to Microsoft Excel[®], SAUTER AFH FAST

Model	Measuring range	Readout	Tool fitting	Option	
				Factory calibration certificate	
	[Max]	[d]			
SAUTER	Nm	Nm	mm/Inch	KERN	
DB 0.5-4	0,5	0,0001	20 mm & 3/8"	961-120	
DB 1-4	1	0,0002	20 mm & 3/8"	961-120	
DB 5-3	5	0,001	20 mm & 3/8"	961-120	
DB 10-3	10	0,002	20 mm & 3/8"	961-120	
DB 20-3	20	0,005	20 mm & 3/8"	961-120	
DB 50-2	50	0,01	20 mm & 3/8"	961-120	
DB 100-2	100	0,02	3/8"	961-120	
DB 200-2	200	0,05	1/2"	961-120	
DB 500-2	500	0,05	3/4"	961-120	

OPTION





SAUTER Pictograms:



Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.



Calibration block:

standard for adjusting or correcting the measuring device.



Peak hold function: capturing a peak value within a measuring process.

continuous capture and display



of measurements.

Scan mode:



Push and Pull: the measuring device can capture tension and compression forces.



Length measurement: captures the geometric dimensions of

a test object or the movement during a test process.



Focus function:

increases the measuring accuracy of a device within a defined measuring range.



Internal memory: to save measurements in the device memory.



Data interface RS-232 bidirectional, for connection of printer and PC.



Data interface USB:

To connect the balance to a printer, PC or other peripheral devices.



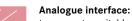
Data interface Infrared: To transfer data from the balance to a

printer, PC or other peripheral devices.



Control outputs

(optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.



to connect a suitable peripheral device for ANALOG analogue processing of the measurements.



using the saved values, the device STATISTIC calculates statistical data, such as average value, standard deviation etc.



PC Software: to transfer the measurements from the device to a PC.



a printer can be connected to the PRINT device to print out the measurements.



GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.



Measuring units:

Weighing units can be switched to UNIT e.g. non-metric at the touch of a key. Please refer to website for more details.

> Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



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TOL

7FRO. Resets the display to "0".



Battery operation: Ready for battery operation.

The battery type is specified for each device.



Rechargeable battery pack: rechargeable set.



Mains adapter:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available

The mechanical movement is carried out



Power supply:



Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.



Motorised drive: by a electric motor.

00	
TEPPER	

Motorised drive: The mechanical movement is carried out

by a synchronous motor (stepper).

FAST-MOVE



the total length of travel can be covered by a single lever movement.



DAkkS calibration possible:

The time required for DAkkS calibration is shown in days in the pictogram.



Factory calibration:

The time required for factory calibration is specified in the pictogram.



Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



VARRANTY

Pallet shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



The warranty period is shown in the pictogram.

Your SAUTER specialist dealer:

