Digital torquemeter SAUTER DA









Comfortable testing of screw tops, e.g. bottles, jars

Features

- **Optimised for torque testing** of bottles, jars and other packaging with screw tops with a maximum diameter of 160 mm, e.g. in the food industry and pharmaceutical industry, as well as in the manufacturing of cosmetics such as, for example, lipsticks, etc.
- Quick pin system: The four bottle mounts (holders) are pushed in, instead of being screwed in, to save time. This allows you to reconfigure quickly for other bottle sizes
- 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.
- **IS LCD graphics display** with backlight
- Rubber feet with anti-slip feature

- Scope of delivery: four bottle mounts with rubber coat, sturdy carrying case
- Internal data memory saves up to 500 measurements. The memory contents can be transferred to the PC using optional software
- **USB** and **RS-232** data interfaces included
- Peak hold function to capture the peak value or Track function for continuous display of measurement
- Can be used in both directions of rotation
- Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible and visual signal
- AUTO-OFF function

Technical data

- Selectable units:
- 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 250×160×100 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
- RS-232/PC connection cable SAUTER FL-A04
- USB/PC connection cable SAUTER FL-A01

Model	Measuring range	Readout	Diameter test object		Option Factory calibration certificate		
	[Max]	[d]	,				
SAUTER	Nm	Nm	mm		KERN		
DA 1-4	1	0,0002	10-165		961-120		
DA 5-3	5	0,001	10-165	U	961-120		
DA 10-3	10	0,002	10-165	U	961-120		

STANDARD

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SAUTER CATALOGUE 2019

Pictograms



Adjusting program (CAL): For quick setting of the instrument'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.



Scan mode: continuous capture and display of measurements



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 measuring instrument to a printer, PC or other peripheral devices.

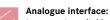


Data interface Infrared:

To transfer data from the measuring instrument 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



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



PC Software: to transfer the measurement data from the device to a PC.



Printer:

a printer can be connected to the device to print out the measurement data.

GLP/ISO record keeping: GLP of measurement data with date, time and





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

serial number. Only with SAUTER printers

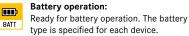


Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed

individually. The process is supported by an audible or visual signal, see the relevant model

ZERO: +0+ ZERO

Resets the display to "0".



Rechargeable battery pack:

rechargeable set.

Mains adapter:



ACCU

- E
230 V

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

230V/50Hz in standard version for EU. On

request GB, AUS or USA version available.



Motorised drive:

The mechanical movement is carried out by a electric motor.



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.



Pallet shipment:

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

Your KERN specialist dealer:



