

## PRODUCT BROCHURE

# SAUTER DB 10-3

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ENGLISH



Convenient way to test the torque of tools

### CONTACT

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PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- Particularly suitable for testing torque wrenches, electric hand screwdrivers and cordless screwdrivers
- Screw joint simulator for dynamic testing of electric screwdrivers
- Metal housing for durable use in harsh environmental conditions
- Capacity display: A bar lights up to show how much of the measuring range is still available
- LCD graphics display with backlight
- Rubber feet with anti-slip feature
- Data interface USB and RS-232 included
- 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 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
- Scope of delivery: Torque pick-up, sturdy carry case

SPECIFICATIONS

Article codes, product groups & Status information

|                    |         |
|--------------------|---------|
| Model article-code | DB 10-3 |
|--------------------|---------|

|              |                    |
|--------------|--------------------|
| Model-Serie  | DB                 |
| Assortment   | Sauter             |
| Product Type | Torque measurement |

|                       |               |
|-----------------------|---------------|
| Product group         | Torque gauges |
| Product usage type    | Main article  |
| EAN code (Model)      | 4045761193451 |
| Customs tariff number | 90318080      |
| CE Label              | yes           |

### Technical data - Primary

|             |          |
|-------------|----------|
| Max. Torque | 10 Nm    |
| Readability | 0.002 Nm |

### Technical data - Construction

|                           |               |
|---------------------------|---------------|
| Dimension housing (W×D×H) | 180×110×55 mm |
| Material housing          | coated metal  |

### Technical data - Display

|                      |             |
|----------------------|-------------|
| Display type         | LCD graphic |
| Display digit height | 128x64      |

### Technical data - Power supply

|                                           |                                                                        |
|-------------------------------------------|------------------------------------------------------------------------|
| Power supply                              | Battery & Power supply                                                 |
| Battery type                              | NiMH                                                                   |
| Input voltage power supply / max. voltage | 100 V - 240 V                                                          |
| Power socket for power supply unit        | Hollow plug, inside plus, Ø outside 5.5mm, Ø inside 2.1mm, long 10.8mm |
| Mains adapter/adaptor included            | CH;EURO                                                                |
| Protection Class                          | Class III - Low voltage                                                |

### Technical data - Measuring system

|                         |                                   |
|-------------------------|-----------------------------------|
| Tolerance (% from Max.) | 0.5%                              |
| Units                   | Nm, kgf/cm, kgf/m, in/lbs, ft/lbs |
| Supported tool holders  | 20 mm; 3/8 "                      |

### Technical data - Functions

|               |                             |
|---------------|-----------------------------|
| Peak-Function | yes                         |
| Limit value   | yes                         |
| Interface     | RS-232 standard; USB-Device |

### Technical data - Environmental conditions

|                               |        |
|-------------------------------|--------|
| Maximum operating temperature | 35 °C  |
| Minimum operating temperature | 15 °C  |
| Maximum storage temperature   | 40 °C  |
| Minimum storage temperature   | -10 °C |

### Technical data - Packing & Shipping

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Dimensions packaging (W×D×H) | 370×320×110 mm                                                                        |
| Gross weight                 | 3.6 kg                                                                                |
| Net weight                   | 2.2 kg                                                                                |
| Shipping method              | Parcel service                                                                        |
| UN number                    | Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199) |

Packaging component - 675 g  
by weight - cardboard

Packaging component - 675 g  
by weight - styrofoam

Delivery time 1 d

## Technical data - Counting data

Memory yes

Value memory - number 1  
of groups

Value memory - number 500  
of cells (per group)

## Optional Services

Factory calibration 961-120

## FUNCTIONS

### Standard



### Option



## ACCESSORIES

| Model  | Description            |
|--------|------------------------|
| FL-A01 | Interface cable FL-A01 |

## SERVICES

| Model   | Description                      |
|---------|----------------------------------|
| 961-120 | Factory calibration KERN 961-120 |

| Model   | Description                                |
|---------|--------------------------------------------|
| 970-108 | Warranty extension KERN (+2 years) 970-108 |

## SPARE PARTS

| Model    | Description                      |
|----------|----------------------------------|
| FL-A01   | Interface cable FL-A01           |
| FL-A03   | Removable battery FL-A03         |
| RDB-4001 | Keyboard overlay SAUTER RDB-4001 |
| RDB-2001 | Main board RDB-2001              |
| RDB-1004 | RDB-1004                         |
| RDB-8001 | rubber foot SAUTER RDB-8001      |
| DB-A01   | Power Adapter KERN DB-A01        |
| DB-A04   | Adapter KERN DB-A04              |
| FL-A10   | Power Adapter KERN FL-A10        |

## SOFTWARES

| Model    | Description                            |
|----------|----------------------------------------|
| AFH FAST | Data Transfer Software SAUTER AFH FAST |

## RELATED ARTICLES DATA

| Model name | Max. Torque | Readability |
|------------|-------------|-------------|
| DB 0.5-4   | 0,5 Nm      | 0.1 mNm     |
| DB 1-4     | 1 Nm        | 0.2 mNm     |
| DB 5-3     | 5 Nm        | 0.001 Nm    |
| DB 10-3    | 10 Nm       | 0.002 Nm    |
| DB 20-3    | 20 Nm       | 0.005 Nm    |
| DB 50-2    | 50 Nm       | 0.01 Nm     |
| DB 100-2   | 100 Nm      | 0.02 Nm     |
| DB 200-2   | 200 Nm      | 0.05 Nm     |
| DB 500-2   | 500 Nm      | 0.1 Nm      |