







# Mechanical force gauge for measuring push and pull forces with peak hold function

#### Features

- Dual scale: shows Newton and kg
- Turnable display unit for an easy adjustment of the instrument
- Peak hold function by drag pointer
- Can be mounted on all manual test stands
- Zeroing by a short push of the switch
- 11 Delivered in a hard carrying case
- 2 Standard attachments: as shown below, extension rod: 90 mm

### Technical data

- Precision: 1 % of [Max]
- Dimensions WxDxH 355x58x59 mm
- Thread: M6
- Net weight approx. 0,617 kg

#### Accessories

- Standard attachments, SAUTER AC 43
- Further accessory see www.sauter.eu and page 21 et seqq.











Model	Measuring range	Readout	Option ISO Ca	Option ISO Calibration Certificate	
			Tension	Compression	
	[Max]	[d]	ISO	ISO	
SAUTER	N	N	KERN	KERN	
FA 10.	10	0,05	961-161	961-261	
FA 20.	20	0,1	961-161	961-261	
FA 30.	30	0,2	961-161	961-261	
FA 50.	50	0,25	961-161	961-261	
FA 100.	100	0,5	961-161	961-261	
FA 200.	200	1	961-161	961-261	
FA 300.	300	2	961-161	961-261	
FA 500.	500	2,5	961-161	961-261	

# **SAUTER Pictograms:**





#### Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



SWITCH

#### Data interface Infrared:

(optocoupler, digital I/O):

To transfer data from the balance to a printer, PC or other peripheral devices.



#### **Battery operation:**

Ready for battery operation. The battery type is specified for each device.



### Rechargeable battery pack:

rechargeable set.



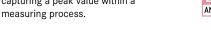
#### Calibration block:

standard for adjusting or correcting the measuring device.



#### Peak hold function:

capturing a peak value within a





#### Analogue interface:

Control outputs

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

to connect relays, signal lamps, valves, etc.



ACCU

#### Mains adapter:

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



#### Scan mode:

Push and Pull:

continuous capture and display of measurements.



#### Statistics:

PC Software:

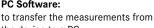
the device to a PC.

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



### Power supply:

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



or USA on request.



#### Motorised drive:

The mechanical movement is carried out by a motorised drive.



#### Length measurement:

and compression forces.

captures the geometric dimensions of a test object or the movement during a test process.

the measuring device can capture tension



SOFTWARE

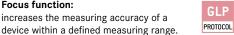
#### Printer:

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



#### Fast-Move:

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





### GLP/ISO record keeping:

of measurements with date, time and serial number. Only with SAUTER printers.



### ISO Calibration:

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



FOCUS

#### Internal memory:

Focus function:

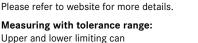
to save measurements in the device memory.



TOL

#### Measuring units:

Weighing units can be switched to e.g. non-metric at the touch of a key.





# in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



1 DAY

## in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.



# Data interface RS-232:

bidirectional, for connection of printer and PC.



# ZERO:

Resets the display to "0".

be programmed individually,

e.g. for sorting and dosing.



#### Data interface USB:

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

# Your SAUTER specialist dealer: