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Universal digital force gauge for tensile and compressive force measurements with integrated load cell

Features

- Turnable display with backlight
- **1** Can be mounted on all SAUTER test stands up to 5 kN
- **2** USB interface for data transfer and power supply as standard
- Data interface RS-232 as standard
- Selectable measuring units: N, kgf, lbf
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Measuring with tolerance range (limit-setting function): Upper and lower limit adjustable, in pull and push direction.
The process is supported by an audible and visual signal

- Auto-Power-Off
- Internal memory for up to 10 measurement values
- Mini Statistics Kit: calculates the average result from up to 10 stored measured values, as well as min., max., n
- **3** Standard attachments as shown, extension rod: 90 mm, included with the delivery
- **4** Delivered in a robust carrying case

Technical data

- Transfer rate to PC: approx. 25 measured values per second
- Measuring precision: 0,5 % of [Max]
- Overload protection: 150 % of [Max]
- Thread: M6
- Overall dimensions W×D×H 240×70×40 mm
- Rechargeable battery pack integrated, as standard, operating time up to 40 h without backlight, charging time approx. 120 min
- External mains adapter, for connection to the USB-C connector, standard
- Net weight approx. 0,55 kg

STANDARD

OPTION

Model	Measuring range [Max]	Readability	Option Calibration certificate		
			Tensile Force DAKkS accr. KERN	Compressive Force DAKkS accr. KERN	Tensile/Compressive Force DAKkS accr. KERN
SAUTER	N	[d] N			
FH 2	2	0,001	-	-	-
FH 5	5	0,001	-	-	-
FH 10	10	0,005	963-161	963-261	963-361
FH 20	20	0,01	963-161	963-261	963-361
FH 50	50	0,01	963-161	963-261	963-361
FH 100	100	0,05	963-161	963-261	963-361
FH 200	200	0,1	963-161	963-261	963-361
FH 500	500	0,1	963-161	963-261	963-361

Further calibration options on request