

Product brochure

10.08.2026

SAUTER 283-252

Precise, mechanical force gauge in robust aluminium housing with Newton readout

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com

FEATURES

- Aluminium scale tube: robust, long service life, handy
- Newton scale: Measuring result displayed in Newton
- Double scale: For fast or precise recording of the measurement result
- Compressive force measurement: possible using an optional pressure set
- Carrying handle as standard
- High precision: Backlash-free spring bearing with integrated tare screw for highly-precise adjustment
- Non-fatigue stainless steel spring
- Clip loop which can be freely rotated of the lower suspension bracket by 360°
- High-quality workmanship: Wear-resistant, colour-anodised precision scale with high resolution for accurate readability of the measuring result

TECHNICAL DATA

- Measuring precision: $\pm 0,3\%$ of [Max]
- Tare range: 20 % of [Max]

MAIN SCOPE OF APPLICATIONS

- Workshop
- Trade and industry
- Quality assurance and incoming goods inspection
- Agriculture
- Leisure and hobby activities

PICTOGRAMS

Standard

Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Load support
283-152	1 N	0,01 N	• Hook
283-252	3 N	0,02 N	• Hook

Model	Weighing capacity [Max]	Readability [d]	Load support
283-302	6 N	0,05 N	• Hook
283-402	10 N	0,1 N	• Hook
283-422	25 N	0,2 N	• Hook
283-483	50 N	0,5 N	• Hook
283-502	100 N	1 N	• Hook
283-602	200 N	2 N	• Hook
283-902	500 N	5 N	• Hook

ACCESSORIES

Model	Description
281-890	Pressure set 281-890
281-892	Bracket 281-892
281-893	Thread clamp 281-893
285-892	Bracket 285-892
FL-A10	Power supply FL-A10

SERVICES

Model	Description
961-1610	Factory calibration certificate 961-1610 (tension N)
970-012	Warranty extension (+2 years) 970-012

KERN Pictogram Overview



Package shipment by courier service: The duration of internal product provision is one day



Factory calibration (ISO): Factory calibration takes 4 working days