

Dial Thickness Gauges

Revision IT2602

2026



**INNOVATIVE
SOLUTIONS
PROVIDER**

Dial Thickness Meters: Precision contact thickness measurement

Fast and reliable dimensional control. This range of dial thickness gauges is the ideal solution for precision measurements on flexible, thin, and easily deformable materials.

Precise measurement of the thickness of materials such as plastic films, fabrics, felts, leather, paper and metal sheets is crucial. Our Dial thickness gauges guarantee a determination of the contact thickness in accordance with industry standards, essential for quality control in production and laboratory.

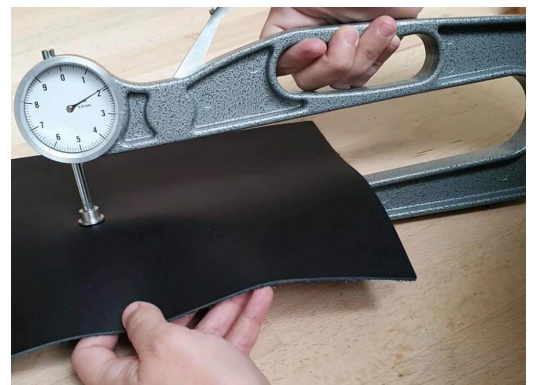
Versatile: Wide choice of contact geometries, foot diameters and measuring forces to suit any standard or material (ISO, DIN, ASTM, etc.).

Reliable: Robust structure with rigid measuring arms and cam lifting systems, ensuring measurement reproducibility and absence of torsion.

Fast: Ergonomic design and rapid lifting mechanism of the feeler that optimize the measurement cycle times, fundamental in in-line quality control.

Technical Features

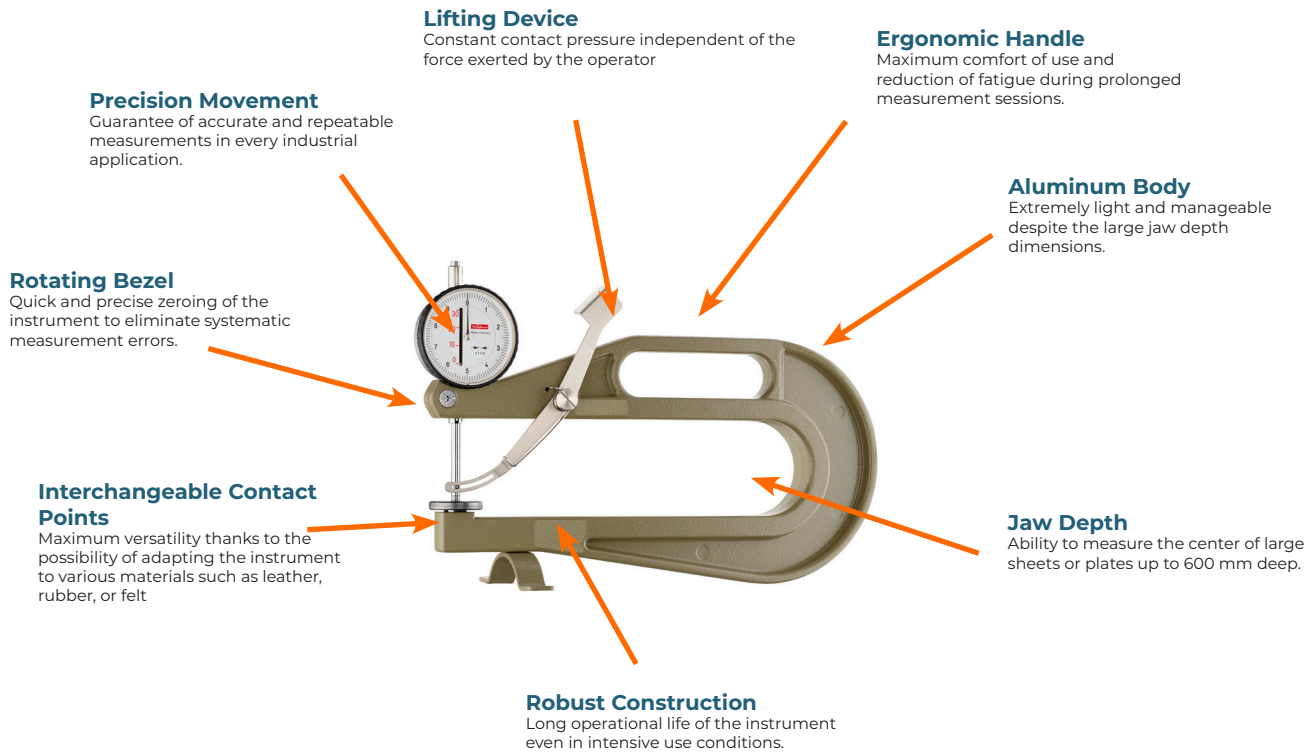
- High resolution analog or digital readout
- Constant measuring force (compliant with standards)
- Measuring range up to 50 mm
- Extended throat/fork depth
- Interchangeable probes (flat, spherical)
- Standardised feeler diameters
- Switchable unit of measurement (mm/inch)
- Easy-to-read digital display (LCD)
- Data output (e.g. RS232, USB)
- Preset and reset function
- Lifting the lever/cam feeler
- Measuring surfaces in hard metal
- Protection against dust and liquids (IP Rating)
- Conforms to DIN, ISO, ASTM standards



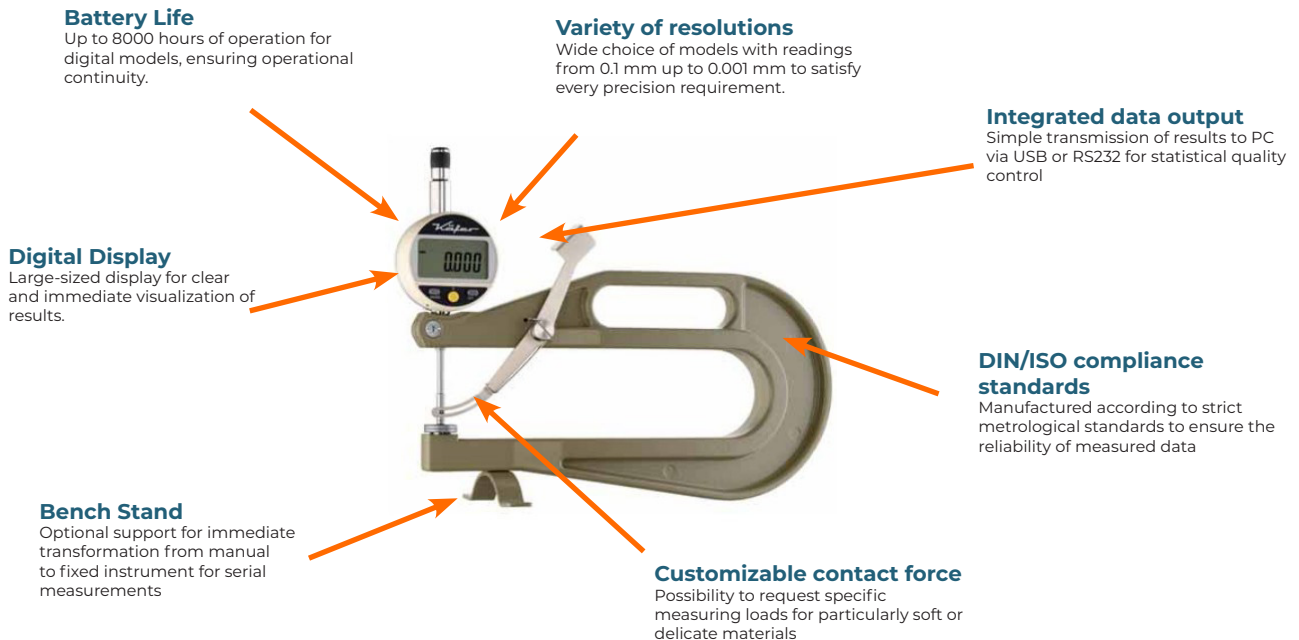
**Contact
measurement:
dimensional
accuracy, no
compromises. !!!**



Some features of the proposed tools *

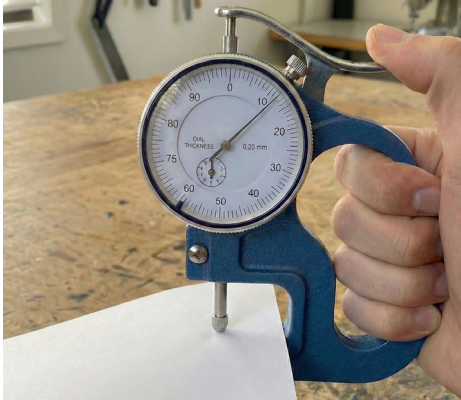


Alcune caratteristiche degli strumenti proposti *



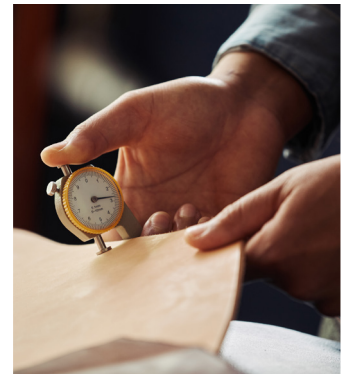
* The features described here are not common to all the instruments in the catalogue and may vary between the different series; this section is intended solely to illustrate the qualitative and professional level of the range offered.

Typical applications



- **Thickness control of leather** for luxury bags and accessories.
- Measuring the **thickness of rubber gaskets** for automotive engines.
- **Quality control of leather** for clothing.
- **Measures rubber membranes** for braking systems and valves.

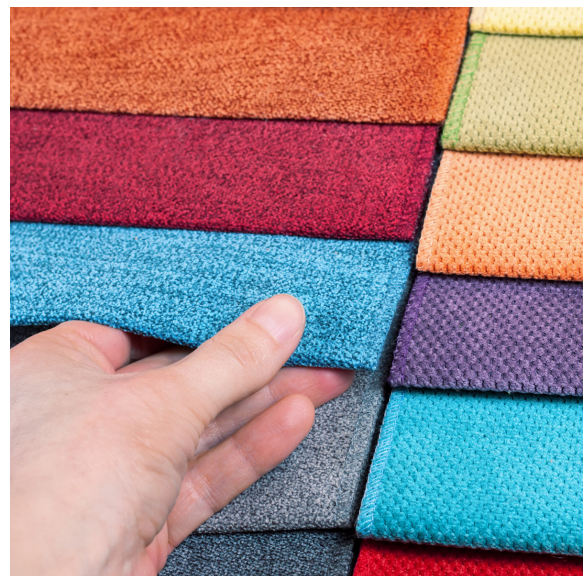
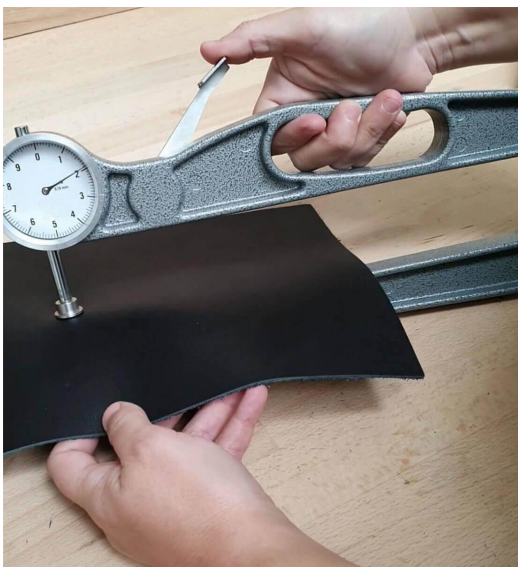
- **Check the thickness of rubber mats** for industrial applications.
- **Felt thickness control** for chemical and mechanical filters..
- **Felt thickness control** for chemical and mechanical filters.
- **Measure the thickness of recycled rubber** sound-absorbing materials.



- **Check coated paper thickness** for high quality printing.
- **Corrugated cardboard inspection** for safe shipping packaging.
- **Measures paper thickness for banknotes** and security documents.
- **Check the weight and thickness of cardboard** for cosmetic packaging.
- **Quality control of sandpaper** and coated abrasives.

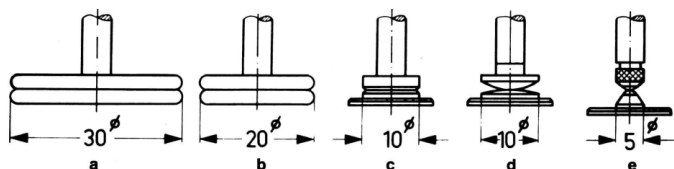
Typical applications

- **Measures the thickness of paper** for coffee and tea filters.
- **Measure the thickness of pressed cardboard** for electrical insulation.
- **Inspection of plastic films** for vacuum food packaging.
- **Measure the thickness of heat shrink film** for industrial logistics.
- **Thickness control of non-woven materials** for surgical masks.
- **Measure the thickness of anti-UV films** for architectural glazing.
- **Calibration of thin steel sheets** for microcomponents.
- **Measure copper foil** for electronic printed circuit boards.
- **Check the thickness of nickel plates** for galvanic processes.










Tool Selection Guide

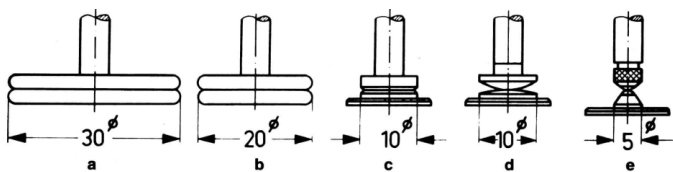
STANDARD MEASURING INSTRUMENTS WITH DECIMAL RESOLUTION AND ANALOGUE COMPARATOR					
	Product	Measuring range	Resolution	Insertion depth	Lever
K50 Series		0-10 mm	0.1 mm	50 mm	Normally open. Press to bring into contact with the material.
K50-LD Series		0-10 mm	0.1 mm	50 mm	Normally closed. Press to open the plates.
K50-2 Series		0-20 mm	0.1 mm	50 mm	Normally open. Press to bring into contact with the material.
K50-3 Series		0-30 mm	0.1 mm	50 mm	Normally open. Press to bring into contact with the material.
K50-5 Series		0-50 mm	0.1 mm	50 mm	Normally open. Press to bring into contact with the material.
K100 Series		0-30 mm	0.1 mm	100 mm	Normally open. Press to bring into contact with the material.
K200 Series		0-30 mm	0.1 mm	200 mm	Normally closed. Press to open the plates.
K300 Series		0-30 mm	0.1 mm	300 mm	Normally closed. Press to open the plates.
K400 Series		0-30 mm	0.1 mm	400 mm	Normally closed. Press to open the plates.
K600/50 Series		0-50 mm	0.1 mm	600 mm	Normally closed. Press to open the plates.



TYPE OF CONTACT PLATES AVAILABLE




Tool Selection Guide

MEASURING INSTRUMENTS WITH CENTESIMAL RESOLUTION AND ANALOGUE COMPARATOR					
	Product	Measuring range	Resolution	Insertion depth	Lever
		0-10 mm	0.01 mm	50 mm	Normally closed. Press to open the plates.
		0-10 mm	0.01 mm	50 mm	Normally open. Press to bring into contact with the material.
		0-30 mm	0.01 mm	50 mm	Normally open. Press to bring into contact with the material.
		0-30 mm	0.01 mm	50 mm	Normally closed. Press to open the plates.
		0-10 mm	0.01 mm	100 mm	Normally closed. Press to open the plates.
		0-10 mm	0.01 mm	200 mm	Normally closed. Press to open the plates.
		0-30 mm	0.01 mm	200 mm	Normally closed. Press to open the plates.







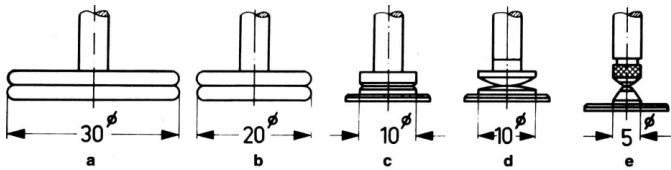
TYPE OF CONTACT PLATES AVAILABLE

Tool Selection Guide

MEASURING INSTRUMENTS WITH MILLESIMAL RESOLUTION AND ANALOGUE COMPARATOR					
	Product	Measuring range	Resolution	Insertion depth	Lever
F50 Series		0-5 mm	0.001 mm	50 mm	Normally closed. Press to open the plates.
F1101/30 Series		0-1 mm	0.001 mm	30 mm	Normally closed. Press to open the plates.
F1101/30-0.1 Series		0-0.1 mm	0.001 mm	30 mm	Normally closed. Press to open the plates.



Tool Selection Guide

MEASURING INSTRUMENTS WITH CENTESIMAL RESOLUTION AND DIGITAL COMPARATOR					
	Product	Measuring range	Resolution	Insertion depth	Lever
JD50 Series		0-12.5 mm	0.01 mm	50 mm	Normally closed. Press to open the plates.
JD100 Series		0-12.5 mm	0.01 mm	100 mm	Normally closed. Press to open the plates.
JD200 Series		0-12.5 mm	0.01 mm	200 mm	Normally closed. Press to open the plates.
JD300 Series		0-12.5 mm	0.01 mm	300 mm	Normally closed. Press to open the plates.







TIPO DI PIATTELLI DI CONTATTO DISPONIBILI

Tool Selection Guide

MEASURING INSTRUMENTS WITH MILLESIMAL RESOLUTION AND DIGITAL COMPARATOR					
	Product	Measuring range	Resolution	Insertion depth	Lever
FD50 Series		0-12.5 mm	0.001 mm	50 mm	Normally closed. Press to open the plates.
FD100 Series		0-12.5 mm	0.001 mm	100 mm	Normally closed. Press to open the plates.

Tool Selection Guide

SPECIAL SERIES - SPECIAL APPLICATIONS					
	Product	Measuring range	Resolution	Insertion depth	Lever
JD50W Series		0-12.5 mm	0.01 mm	50 mm	Normally closed. Press to open the plates.
J50R Series		0-55 mm	0.01 mm	50 mm	Normally closed. Press to open the plates.
J12 Series		0-8 mm	0.01 mm	12 mm	Normally closed. Press to open the plates.
J15 Series		0-10 mm	0.01 mm	18 mm	Normally closed. Press to open the plates.

Important notes and copyright

The technical data contained in this catalogue are not binding for RODER SRL and may be modified without prior notice for production needs or for improvements.

The information contained herein is provided "as is" and RODER SRL makes no warranties, representations or guarantees as to the accuracy thereof information, product characteristics, availability, functionality or suitability of its products for a particular purpose, nor does RODER SRL assume any liability arising from the application or use of any product or device, and in particular disclaims any and all liability, including, without limitation, special, consequential or incidental damages.

Buyer is responsible for the use of RODER SRL products including compliance with all laws, regulations and safety requirements or standards, regardless of any application support or information provided by RODER SRL.

The "characteristic" parameters that can be provided in the technical data sheets and/or in the specifications may vary, and vary depending on the different applications. The actual performance of the products in the RODER SRL documentation may vary over time. All operational parameters must be analysed and validated for each application by the customer's technical experts.

RODER SRL products are not designed, intended or authorised for use as critical components in life support systems.

This literature is subject to all applicable copyright laws and is in no way reproducible or resaleable. Any reproduction of this document without prior authorisation is prohibited.

Images, photos, references and trademarks contained in this document, if not owned by RODER SRL, are legitimate owners.

CONTATTI



RODER SRL
Via Aldo Moro 15/A
10080 Oglianico (TO) - Italy



+39 0124 34301



info@roder.it
info@innovacheck.com

www.roder.it

INNOVACHECK is a division of

 **RODER**