

DIMENSION MEASUREMENT

Thickness gauges

Thickness gauges of the TG series allow precise measurement of specimens according to international standards. Various probes, loads / weights and measuring forces are available for a wide range of materials and standards.



Features / Equipment:

- Simple measurement
- Transfer of measured results to test software
- Special inserts and weights for many applications
- Granite measuring table (Ø200 x 40 mm)
- Extended measuring range by means of gauge block (optional)
- DAkkS calibration certificate optional
- Factory calibration certificate optional
- Lifting device optional
- Software optional

Technical data:

	TG1	TG2	TG3	TG4	TG8	TG9	TG17
Application	Rubber / Elastomers	Foil / Film	Textiles	Rubber / Elastomers	Geoplastics	Paper / Cardboard	Flex packing
	Hardness >35 IRHD			Hardness <35 IRHD			
Standard	ISO 23529, ASTM D3767	ISO 4593 DIN 53370	ISO 5084	ASTM D3767	ASTM D5199	DIN EN 534	ASTM F2251
Measuring range [mm]	0...12	0,8 / 1,8	0...12	0...12	0...12	0...12	0...12
Resolution [mm]	0,001	0,005 / 0,001 / 0,0002	0,001	0,001	0,001	0,001	0,001
Probe [mm]	Ø4	Ø10	Ø50,5	Ø16	Ø56,4	Ø16	Ø15,875
Force [kPa]	22	•	1	10	2	100	50,3
Support weight [g]	28	10...50	204	212	509,5	2050	1033
Interface	USB / RS 232						
Dimension [mm]	Ø 200 x 250 (H)						
Weight approx. w/o support weight [kg]	6						
Battery operated	•	•	•	•	•	•	•

Thickness gauges with high resolution

Thickness gauges of the TGC series allow precise measurement of specimens according to international standards such as ISO 4593 or DIN 53370 or others. Various probes are available for special requirements, e.g. with reduced spring force for testing film thickness.



Features / Equipment:

- High-resolution and high-contrast colour display
- Display can be tilted steplessly for optimum viewing angle
- Extremely simple operation
- Mains or battery operation possible
- Battery operation also suitable for mobile use
- Compact housing

Technical data:

	TGC1202	TGC1200M
Measuring range [μm]	+/- 5000 +/- 2000 +/- 1000 +/- 300 +/- 100 +/- 30 +/- 10 +/- 3	+/- 5000 +/- 2000 +/- 1000 +/- 300 +/- 100 +/- 30 +/- 10 +/- 3
Resolution / Digit increment [μm]	0,01, 0,1, 1	0,1
Display digital	•	•
Sensor input	3	1
Interface	USB	Opto RS-232C, USB, Digimatic, Wireless
Weight [kg], approx.	0,5	0,5
Power supply [V/Hz]	230/115 / 50-60	230/115 / 50-60