

# THICKNESS GAUGE

**\*\* code 1880\_ABCDEGHMP \*\***

Thickness gauge with high accuracy and resolution.

Measuring range 0 – 10 mm, resolution 0.01 mm.

Thickness Gauge to determine the material thickness of all non-woven fabrics. With these instruments the most popular checking methods can be applied for textiles, felt, geomaterials, paper, floor coverings, leather, foils, rubber etc.

According to international standards DIN, EN, ISO, ASTM, etc.



## Special Features

- Feeler movement manual by plunger
- Thickness gauge with RS 232 data output
- Separate measuring block, incased against outside external impacts, for highest accuracy and repeatability
- Rigid housing frame

## Standard Features

- Easy to use
- Standard measuring range 0 - 10 mm
- Thickness gage with LCD display - switchable measuring units mm/ inch
- Resolution 0.01 mm
- Certificate of Compliance with the order 2.1, according EN 10204, included.
- Optionally available: Inspection Certificate 3.1, according EN 10204, with calibration report, code 1880 CC1,
- Optionally available: Calibration report, code 1880 CC2.

## Available model

Mesdan code	Ref.	Standard	Application	Feeler Ø [mm]	Feeler A [cm <sup>2</sup> ]	Test Pressure [kPa]
<b>1880</b>	D 2000 T	UNI EN ISO 5084	Textiles	50.42	20	0.1 kPa, 1 kPa
<b>1880A</b>	D 2000 V2	UNI EN ISO 9073-2	Standard fleece	56.42	25	0.1 kPa, 0.5 kPa
<b>1880B</b>	D 2000 G1	UNI EN ISO 9863-1 ASTM D5199	Geomaterials	56.42	25	2 kPa

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Mesdan code	Ref.	Standard	Application	Feeler Ø [mm]	Feeler A [cm <sup>2</sup> ]	Test Pressure [kPa]
<b>1880M</b>	D-2000-G2	UNI EN ISO 9863-1	Geomaterials	56.42	25	2 kPa, 20 kPa, 200 kPa
<b>1880C</b>	D 2000 NW	UNI EN ISO 9073-2	Non-woven textiles	56.42	25	0,5 kPa, 1.0 kPa
<b>1880D*</b>	D 2000 P*	UNI EN ISO 534	Paper	16	2	50 kPa, 100 kPa
<b>1880E</b>	D 2000 HY	UNI EN ISO 12625-3	Hygienic paper	56.42	25	2 kPa
<b>1880G</b>	D 2000 L	UNI EN ISO 2589 IUP 4	Leather, rubber	10	0.785	49,1 kPa
<b>1880H</b>	D 2000 Gi	//	Rubber	35.68	10	5 kPa
<b>1880P</b>	//	DIN EN 3616, ASTM D1777	Textiles	40,0 28,7	12,57 6,47	250 Pa ± 10 Pa 4,14 kPa
	//	PSA D45 1013	Automotive	10	0,785	10 kPa ± 2 kPa

\*Resolution 0.001 mm is as standard.

We also supply **custom designed models**, which cover different standards within one instrument. Please inform us, which standards you use and what measuring force and feeler size is required. We will send you our suggestion.

Mesdan code	Optional	
<b>1880.2</b>		Software SW-50 for data acquisition and saving, PC data connection cable, code 1880.2.
<b>1880.6</b>		Software SW-51 for data acquisition and saving, PC data connection cable, latest version for Win 10 or higher, code 1880.6.
<b>CONTROL LAB</b>	Control lab; stand alone or laptop, printer	

## Delivery includes

Thickness Gauge with transport packing case, calibration report of manufacturer and operating instructions in English or German.

## Specifications

<b>Measuring range:</b>	0 - 10 mm, option 0 - 25 mm
<b>Resolution:</b>	0.01 mm
<b>Optional higher resolution:</b>	0.001 mm, code R
<b>Accuracy:</b>	± 0.02 mm, option ± 0.002 mm
<b>Depth of jaw:</b>	160 mm
<b>Measuring system:</b>	Capacitive -> Sylvac

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<b>Display:</b>	LCD 6 digit, 8.5 mm high
<b>Measuring unit:</b>	mm or inch (switchable)
<b>Feeler shape and surface pressure</b>	According international Standards DIN, EN and ISO
<b>Output signal:</b>	RS 232
<b>Temperature range:</b>	10 - 45 °C
<b>Air humidity:</b>	85 % RH, max
<b>Dimensions (L x W x H):</b>	250 x 310 x 300 mm
<b>Weight, net (gross):</b>	23 kg (26 kg)
<p>Specifications subject to change without notice!            *Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding.            *Le immagini e le descrizioni del presente catalogo sono da ritenersi puramente indicative e non vincolanti.</p>	

CARATTERISTICHE GENERALI	GENERAL FEATURES
Alimentazione elettrica: con batterie	Power supply: with battery
Dimensioni (L x P x H): 250 x 310 x 300	Dimensions (L x W x H) : 250 x 310 x 300
Peso netto 23 kg	Net weight 23 kg
Peso lordo 26 kg	Gross weight 26 kg
OPTIONAL	OPTIONAL
Risoluzione 0.001 mm, codice R	<b>Resolution</b> 0.001 mm, code R
Software SW-50 elaborazioni statistiche e cavo di connessione con PC, code 1880.2.	Software SW-50 for statistics data management and PC data connection cable, code 1880.2.
Software SW-51 elaborazioni statistiche e cavo di connessione con PC, ultimissima versione per Win 10 e versioni superiori, code 1880.6.	Software SW-51 for statistics data management and PC data connection cable, latest version for Win 10 or higher, code 1880.6.
PC portatile, code 2532.150.	Laptop, code 2532.150.
Personal computer, code 237.92	Personal Computer, code 237.92
Monitor lcd, code 250.300	LCD monitor, code 250.300
Stampante getto inchiostro, code 250.4.	Ink jet printer, code 250.4.
Certificato di ispezione 3.1, in accordo con EN 10204, con rapporto di taratura, code 1880.CC1.	Inspection Certificate 3.1, according EN 10204, with calibration report, code 1880.CC1
Rapporto di taratura, code 1880.CC2.	Calibration report, code 1880.CC2.
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