MaraMeter XLI–22P–20

Portable Thickness Gages

FEATURES

- Indicator built into gage frame for maximum ruggedness
- Lift lever for one hand operation
- Continuous reading dials with revolution counter for absolute measurement of thin materials, plastic films and small parts
- 6.3 mm / .25" diameter, flat steel contacts
- **Data interface:** Digimatic, RS232C, USB
- **Energy supply:** Battery operation
- **Package contains:** includes indicator

Application:

- Thickness measurement of small parts from 0 to 1.0 inch

TECHNICAL DATA

Order no.	Product type	Measuring range	Measuring range	Throat depth	Jaw depth	Resolution	Resolution	Size of measuring surface	Indicating instrument (included in package)
		mm	inch	mm	inch	mm	inch		
2057541	XLI–22P–20	0 –25	0 –1"	50	2"	0.0005, 0.001, 0.002, 0.005, 0.01	.00002", .00005", .0001", .0002", .0005"	6.3 mm / 0.25" steel contacts	4337651 1086 ZR

ACCESSORIES

Order no.	Product name	Product type
2003150	Base/bench stand for 300P or 1000P style snap gage	BA–26

MaraMeter | Indicating Measuring Instruments

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MaraMeter 22P–11 / 22P–15 / 22P–20

Portable Thickness Gages

FEATURES

- Indicator built into gage frame for maximum ruggedness
- Lift lever for one hand operation
- Continuous reading dials with revolution counter for absolute measurement of thin materials, plastic films and small parts
- 6.3 mm / .25" diameter, flat steel contacts
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- Thickness measurement of small parts from 0 to 1.0 inch, depending on model

TECHNICAL DATA

Order no.	Product type	Measuring range	Jaw depth	Graduation value	Size of measuring surface	Indicating instrument (included in package)
		inch	inch	inch		
2050446	22P–11	0 –.10"	1.13"	.0001"	6.3 mm / 0.25" steel contacts	Integral Indicator (22IN-RC dial)
2050447	22P–15	0 –.50"	2"	.001"	6.3 mm / 0.25" steel contacts	Integral Indicator (28IQN dial)
2050449	22P–20	0 –1"	2"	.001"	6.3 mm / 0.25" steel contacts	Integral Indicator (28ISN dial)

ACCESSORIES

Order no.	Product name	Product type
2003150	Base/bench stand for 300P or 1000P style snap gage	BA–26

MaraMeter 22P–10M / 22P–15M / 22P–20M

Portable Thickness Gages

FEATURES

- Indicator built into gage frame for maximum ruggedness
- Lift lever for one hand operation
- Continuous reading dials with revolution counter for absolute measurement of thin materials, plastic films and small parts
- 6.3 mm / .25" diameter, flat steel contacts
- **Data interface:** none
- **Package contains:** includes indicator

Application:

Thickness Measurement of small parts from 0 to 25.4mm

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Graduation value	Size of measuring surface	Indicating instrument (included in package)
		mm	mm	mm		
2050445	22P–10M	0 –2.54	28.6	0.002	6.3 mm / 0.25" steel contacts	Integral Indicator (P1I-RC dial)
2050448	22P–15M	0 –12.7	50	0.01	6.3 mm / 0.25" steel contacts	Integral Indicator (26I-RC dial)
2050450	22P–20M	0 –25	50	0.01	6.3 mm / 0.25" steel contacts	Integral Indicator (26I-RC dial)

ACCESSORIES

Order no.	Product name	Product type
2003150	Base/bench stand for 300P or 1000P style snap gage	BA–26

MaraMeter XLI–57B–15

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- 0.003 mm / .0001" parallelism with tables up to 19 mm / .75" diameter
- 283 g / 10 oz. dead weight load for constant gaging pressure
- 10 mm / .407" diameter flat upper 54.0 mm / 2.125" lower contacts
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Digital indicator includes integrated wireless transmitter
- With lift lever so work can be easily placed between the table and contact
- Four inch throat depth for part clearance
- **Data interface:** Digimatic, RS232C, USB, Integrated wireless
- **Energy supply:** Battery operation
- **Package contains:** includes indicator

Application:

- Precision thickness measurement requiring dead weight load force

TECHNICAL DATA

Order no.	Product type	Mea-suring range	Mea-suring range	Throat depth	Jaw depth	Resolu-tion	Resolu-tion	Indicating instrument (included in package)	Paral-lelism devia-tion	Paral-lelism devia-tion	Measur-ing force
		mm	inch	mm	inch	mm	inch		µm	inch	N
2057551	XLI–57B–15	0 –25	0 –1"	102	4"	0.0005, 0.001, 0.002, 0.005, 0.01	.00002", .00005", .0001", .0002", .0005"	4337628 (1086Ri)	3	.0001"	278 gm / 10 oz dead weight

MaraMeter 57B–14 / 57B–15

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- 0.003 mm / .0001" parallelism with tables up to 19 mm / .75" diameter
- 283 g / 10 oz. dead weight load for constant gaging pressure
- 10 mm / .407" diameter flat upper 54.0 mm / 2.125" lower contacts
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Digital indicator includes integrated wireless transmitter
- With lift lever so work can be easily placed between the table and contact
- Four inch throat depth for part clearance
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- Precision thickness measurement requiring dead weight load force

TECHNICAL DATA

Order no.	Product type	Measuring range	Jaw depth	Graduation value	Indicating instrument (included in package)	Parallelism deviation	Measuring force
		inch	inch	inch		inch	N
2050982	57B–14	0 –.10"	4"	.0001"	IDT–340 Indicator (32I-RC)	.0001"	2.78 N (10oz dead weight)
2050984	57B–15	0 –1"	4"	.001"	IDS–341 Indicator (D8IS)	.0001"	2.78 N (10oz dead weight)

MaraMeter 57B–14M / 57B–15M

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- 0.003 mm / .0001" parallelism with tables up to 19 mm / .75" diameter
- 283 g / 10 oz. dead weight load for constant gaging pressure
- 10 mm / .407" diameter flat upper 54.0 mm / 2.125" lower contacts
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Digital indicator includes integrated wireless transmitter
- With lift lever so work can be easily placed between the table and contact
- Four inch throat depth for part clearance
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- Precision thickness measurement requiring dead weight load force

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Graduation value	Indicating instrument (included in package)	Measuring force
		mm	mm	mm		N
2050983	57B–14M	0 –2.5	102	0.002	IDS–342 Indicator (Q1I-RC)	2.78 N (10oz dead weight)
2050985	57B–15M	0 –25	102	0.01	IDS–343 Indicator (SQ6IS)	2.78 N (10oz dead weight)

MaraMeter XLI–57B–13

Portable Thickness Gages

FEATURES

- Using the basic design of the Model 57B–13 (Model 57B–13M — Metric) gage, the lower contact is PT–103, 1.10 mm / .043" diameter rod, mounted horizontally
- Upper contact is a flat chisel contact , in line with the rod
- By slipping tubular parts onto the lower contact, the gage can measure the wall thickness of the tube
- An auxiliary weight on the indicator provides a total dead weight load of 25 grams
- Digital indicator includes integrated wireless transmitter
- **Data interface:** Digimatic, Opto RS232C, USB, Integrated wireless
- **Energy supply:** Battery operation
- **Package contains:** includes indicator

Application:

- For checking wall thickness of wire insulation and other small diameter tubular parts

TECHNICAL DATA

Order no.	Product type	Measuring range	Measuring range	Throat depth	Jaw depth	Resolution	Resolution	Indicating instrument (included in package)	Measuring force
		mm	inch	mm	inch	mm	inch		N
2057550	XLI–57B–13	0 –7.62	0 –.30"	102	4"	0.0005, 0.001, 0.002, 0.005, 0.01	.00002", .00005", .0001", .0002", .0005"	4337628 (1086Ri)	0.25

ACCESSORIES

Order no.	Product name	Product type
2225698	Replacement rod for PT–103 Pin, 0.043" diameter 0.687" length	PS–43
2225741	Pin, Ø=1.10mm / .043", lower contact 1.10 mm / 0.043" diameter pin, lower contact assembly	PT–103
2225869	Pin, Ø=0.05mm / .02", lower contact 0.050 mm / 0.020 in diameter pin, lower contact assembly	PT–2245

MaraMeter 57B–13

Portable Thickness Gages

FEATURES

- Using the basic design of the Model 57B–13 (Model 57B–13M — Metric) gage, the lower contact is PT–103, 1.10 mm / .043" diameter rod, mounted horizontally
- Upper contact is a flat chisel contact , in line with the rod
- By slipping tubular parts onto the lower contact, the gage can measure the wall thickness of the tube
- An auxiliary weight on the indicator provides a total dead weight load of 25 grams
- Digital indicator includes integrated wireless transmitter
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- For checking wall thickness of wire insulation and other small diameter tubular parts

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Jaw depth	Graduation value	Indicating instrument (included in package)	Measuring force
		inch	mm	inch	inch		N
2050980	57B–13	0 –.30"	102	4"	.0005"	IDS–116 indicator (25M-RC)	0.25

ACCESSORIES

Order no.	Product name	Product type
2225698	Replacement rod for PT–103 Pin, 0.043" diameter 0.687" length	PS–43
2225741	Pin, Ø=1.10mm / .043", lower contact 1.10 mm / 0.043" diameter pin, lower contact assembly	PT–103
2225869	Pin, Ø=0.05mm / .02", lower contact 0.050 mm / 0.020 in diameter pin, lower contact assembly	PT–2245

MaraMeter 57B–13M

Portable Thickness Gages

FEATURES

- Using the basic design of the Model 57B–13 (Model 57B–13M — Metric) gage, the lower contact is PT–103, 1.10 mm / .043" diameter rod, mounted horizontally
- Upper contact is a flat chisel contact , in line with the rod
- By slipping tubular parts onto the lower contact, the gage can measure the wall thickness of the tube
- An auxiliary weight on the indicator provides a total dead weight load of 25 grams
- Digital indicator includes integrated wireless transmitter
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- For checking wall thickness of wire insulation and other small diameter tubular parts

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Graduation value	Indicating instrument (included in package)	Measuring force
		mm	mm	mm		N
2050981	57B–13M	0 –7.6	102	0.01	IDS–287 indicator (26I-RC)	0.25

ACCESSORIES

Order no.	Product name	Product type
2225698	Replacement rod for PT–103 Pin, 0.043" diameter 0.687" length	PS–43
2225741	Pin, Ø=1.10mm / .043", lower contact 1.10 mm / 0.043" diameter pin, lower contact assembly	PT–103
2225869	Pin, Ø=0.05mm / .02", lower contact 0.050 mm / 0.020 in diameter pin, lower contact assembly	PT–2245

MaraMeter EMD–57B–11 / EMD–57B–11D

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- Furnished with a lift lever so work can be easily placed between the contacts
- Large 54 mm/ 2.125" diameter lower anvil provides convenient stage for small parts or flat materials
- 4.75 mm/ .187" diameter radiused upper contact normally provided
- 102 mm/ 4" throat depth for part clearance
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Available with dial indicator or digital electronic indicator
- **Data interface:** none
- **Energy supply:** Battery operation
- **Package contains:** includes indicator

Application:

- Precision thickness measurement

TECHNICAL DATA

Order no.	Product type	Measuring range	Measuring range	Throat depth	Jaw depth	Resolution	Resolution	Indicating instrument (included in package)
		mm	inch	mm	inch	mm	inch	
2051884	EMD–57B–11	0 –21.5	0 –1"	102	4"	0.0005, 0.001, 0.005	.00002", .00005", .0001", .0005"	2033101 Max-µm III
2051885	EMD–57B–11D	0 –21.5	0 –1"	102	4"	0.0005, 0.001, 0.005	.00002", .00005", .0001", .0005"	2033111 Max-µm III
2057548		0 –25		102	4"	0.0005, 0.001, 0.002, 0.005, 0.01	.00002", .00005", .0001", .0002", .0005"	4337651 (1086ZR)
2057549		0 –12.5		102	4"	0.0005, 0.001, 0.002, 0.005, 0.01	.00002", .00005", .0001", .0002", .0005"	4337650 (1086 ZR)

MaraMeter 57B–11 / 57B–12

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- Furnished with a lift lever so work can be easily placed between the contacts
- Large 54 mm/ 2.125" diameter lower anvil provides convenient stage for small parts or flat materials
- 4.75 mm/ .187" diameter radiused upper contact normally provided
- 102 mm/ 4" throat depth for part clearance
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Available with dial indicator or digital electronic indicator
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- Precision thickness measurement

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Jaw depth	Graduation value	Indicating instrument (included in package)
		inch	mm	inch	inch	
2050976	57B–11	0 –1"	102	4"	.001"	IDS–160 Indicator (D8IS)
2050978	57B–12	0 –.50"	102	4"	.0005"	IDS–161 Indicator (D7I-RC)

MaraMeter 57B–11M / 57B–12M

Portable Thickness Gages

FEATURES

- Solid casting with ribbed frame provides strength and rigidity for accurate measurements
- Furnished with a lift lever so work can be easily placed between the contacts
- Large 54 mm/ 2.125″ diameter lower anvil provides convenient stage for small parts or flat materials
- 4.75 mm/ .187″ diameter radiused upper contact normally provided
- 102 mm/ 4″ throat depth for part clearance
- Indicator mounts with adjustable back for quick positioning for each gaging requirement
- Available with dial indicator or digital electronic indicator
- **Data interface:** none
- **Package contains:** includes indicator

Application:

- Precision thickness measurement

TECHNICAL DATA

Order no.	Product type	Measuring range	Throat depth	Graduation value	Indicating instrument (included in package)
		mm	mm	mm	
2050977	57B–11M	0 –25	102	0.01	IDS–285 Indicator (SQ6IS)
2050979	57B–12M	0 –12.5	102	0.01	IDS–286 Indicator (SQ6I)