Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Thickness Gages SERIES 547, 7



Standard Type





High Accuracy Type



Standard Type

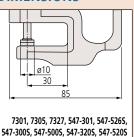


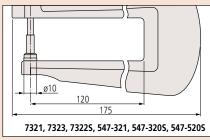


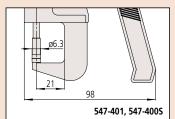
MeasurLink ENABLED

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

DIMENSIONS









Technical Data

- Display: 6-digit LCD, sign
 Battery: SR44 (1 pc.), 938882 for initial operational checks (standard accessory)
 Battery life: Approx. 7,000 hours of continuous use
 Maximum response speed: Not restricted (except for
- scanning measurement)

Functions

- Zero-setting (INC system)Presetting (ABS system)
- Direction switching
- Tolerance judgment
- Resolution switching (For 0.001 mm or 0.00005 inch resolution models)
- Calculation: f(x) = Ax
- Function locking
- Data output
- Display value holding (when no external device is connected)
- 330° rotary display
- · Low battery voltage alarm display
- Error alarm display

Optional Accessories

- SPC Cable:
- 905338 (1 m) 905409 (2 m)
- USB Input Tool Direct (2 m): 06AFM380F
 Connecting Cables for U-WAVE-T (160 mm): 02AZD790F

For foot switch: 02AZE140F

Refer to page F-66 for details.

• Digimatic Mini-Processor **DP-1VA LOGGER**: **264-505**

Lens thickness measurement

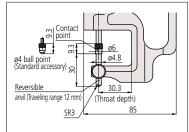
- Thickness of concave-convex lenses and surfaces can be measured. (Contact point, Anvil: hardened steel)
- Anvils and contact points are interchangeable to enable concave surfaces to be measured.



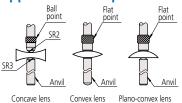
• Provided with a ball point as standard.

DIMENSIONS

Unit: mm



Application examples

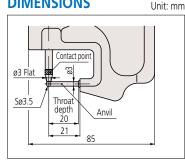


Tube thickness measurement

• Pipe wall thickness, thickness of curved boards can be measured. (Contact point, Anvil: hardened steel)



DIMENSIONS

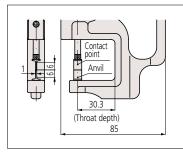


Groove depth measurement





Unit: mm





Dial Indicator Applications

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

Thickness Gages SERIES 547, 7

SPECIFICATIONS

Metric					
Order No.	Range (mm)	Resolution (mm)	Accuracy (μm)	Measuring force (N)	Remarks
547-401	0-12	0.001	±3	3.5 or less	High accuracy, carbide point anvil
547-301	0-10	0.01	±20	1.5 or less	Standard, ceramic point/anvil
547-321	0-10	0.01	±20	1.5 or less	Deep throat, ceramic point/anvil
547-313	0-10	0.01	±20	1.5 or less	Lens thickness
547-315	0-10	0.01	±20	1.5 or less	Groove depth
547-360	0-10	0.01	±20	1.5 or less	Tube thickness

Inch/Metric					
Order No.	Range (in)	Resolution	Accuracy	Measuring force (N)	Remarks
547-400S/ —	0-0.47	0.00005 in/0.001 mm	±0.0001 in/±3 µm	3.5 or less	High accuracy, carbide point anvil
— /547-526S*	0-0.47	0.0001 in/0.001 mm	±0.0002 in/±5 µm	1.5 or less	Standard, ceramic point/anvil
547-300S / 547-500S*	0-0.4/0-0.47*	0.0005 in/0.01 mm	±0.001 in/±20 µm	1.5 or less	Standard, ceramic point/anvil
547-320S/547-520S*	0-0.4/0-0.47*	0.0005 in/0.01 mm	±0.001 in/±20 µm	1.5 or less	Deep throat, ceramic point/anvil
547-312S/547-512S*	0-0.4/0-0.47*	0.0005 in/0.01 mm	±0.001 in/±20 µm	1.5 or less	Lens thickness
547-3165/547-5165*	0-0.4/0-0.47*	0.0005 in/0.01 mm	±0.001 in/±20 µm	1.5 or less	Groove depth
547-3615/547-5615*	0-0.4/0-0.47*	0.0005 in/0.01 mm	±0.001 in/±20 μm	1.5 or less	Tube thickness

^{*} Using ID-SX Digimatic indicator.

Metric	ı				
Order No.	Range (mm)	Graduation (mm)	Accuracy (μm)	Measuring force (N)	Remarks
7327	0-1	0.001	±5	1.4 or less	Fine dial reading, ceramic point/anvil
7301	0-10	0.01	±15	1.4 or less	Standard, ceramic point/anvil
7305	0-20	0.01	±20	2.0 or less	Standard, ceramic point/anvil
7321	0-10	0.01	±15	1.4 or less	Deep throat, ceramic point/anvil
7323	0-20	0.01	±22	2.0 or less	Deep throat, ceramic point/anvil
7313	0-10	0.01	±15	1.4 or less	Lens thickness
7315	0-10	0.01	±15	1.4 or less	Groove depth
7360	0-10	0.01	±15	1.4 or less	Tube thickness

Inch	ı				
Order No.	Range (in)	Graduation (in)	Accuracy (in)	Measuring force (N)	Remarks
7326S	0-0.05	0.0001	±0.0002	1.4 or less	Fine dial reading, ceramic point/anvil
7300S	0-0.5	0.001	±0.001	1.4 or less	Standard, ceramic point/anvil
7304S	0-1	0.001	±0.002	2.0 or less	Standard, ceramic point/anvil
73225	0-1	0.001	±0.002	2.0 or less	Deep throat, ceramic point/anvil
7312S	0-0.5	0.001	±0.001	1.4 or less	Lens thickness
7316S	0-0.5	0.001	±0.001	1.4 or less	Groove depth
7361S	0-0.5	0.001	±0.001	1.4 or less	Tube thickness

Note 1: The dial indicator needs to be reset when replacing a contact point is replaced.

Note 2: The stated accuracy of Digimatic indicators does not include an allowance for quantizing error (±1 count).

