

Dial Indicator Applications

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

DIGIMATIC S1

Thickness Gages SERIES 547, 7

Standard Type (Resolution: 0.01 mm)

- Thickness gages can quickly measure the thickness of thin products such as paper and felt.
- Using a ceramic contact and anvil, there is no need to worry about rust. (except for 547-401A)



547-301A



547-321A

Functions (547-301A / 547-321A)

- Display: 6-digit display, sign (7-digit for models with 0.0005 mm resolution)
- Power source: CR2032 battery (1 pc.), included as standard (for operational checks)
- Battery life: Approx. 2.5 years under normal use
Approx. 2,700 hours of continuous use
- Response speed: Unlimited (except for scanning measurement)
- Zero-setting (INC system)
- Presetting (ABS system)
- Measuring direction switching
- Tolerance judgment
- Resolution switching (For models with 0.0005 mm resolution)
- Function Lock
- Calibration schedule warning function
- Data output
- Display value holding (when no external device is connected)
- 330° rotary display
- Low battery voltage alarm display
- Error alarm display

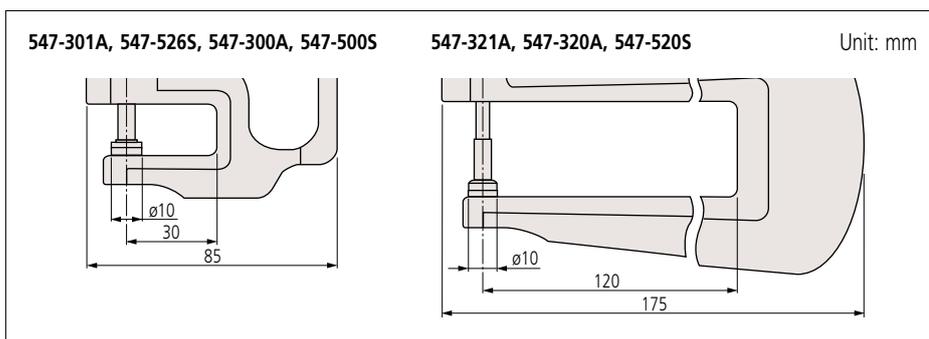
SPECIFICATIONS

Metric					
Code No.	Resolution (mm)	Range (mm)	Measuring depth (mm)	Contact point, Anvil (mm)	Parallelism of Contact point, Anvil (μm)
547-301A	0.01	0 - 10	30	ø10 Flat	10
547-321A	0.01	0 - 10	120	ø10 Flat	10
Accuracy (μm)	Measuring force (N)	Mass (g)	Remarks		
±20	1.5 or less	245	Standard, ceramic point/anvil		
±20	1.5 or less	385	Deep throat, ceramic point/anvil		

Inch / Metric					
Code No.	Resolution	Range (in)	Measuring depth	Contact point, Anvil	Parallelism of Contact point, Anvil
547-526S*	0.0001 in/0.001 mm	0 - 0.47*	30 mm (1.18 in)	ø10 mm (ø0.39 in) Flat	0.0002 in/0.005 mm
547-300A	0.0005 in/0.01 mm	0 - 0.4	30 mm (1.18 in)	ø10 mm (ø0.39 in) Flat	0.0005 in/0.01 mm
547-500S*	0.0005 in/0.01 mm	0 - 0.47*	30 mm (1.18 in)	ø10 mm (ø0.39 in) Flat	0.0005 in/0.01 mm
547-320A	0.0005 in/0.01 mm	0 - 0.4	120 mm (4.72 in)	ø10 mm (ø0.39 in) Flat	0.0005 in/0.01 mm
547-520S*	0.0005 in/0.01 mm	0 - 0.47*	120 mm (4.72 in)	ø10 mm (ø0.39 in) Flat	0.0005 in/0.01 mm
Accuracy	Measuring force (N)	Mass (g)	Remarks		
±0.0002 in/±5 μm	1.5 or less	225	Standard, ceramic point/anvil		
±0.001 in/±20 μm	1.5 or less	245	Standard, ceramic point/anvil		
±0.001 in/±20 μm	1.5 or less	225	Standard, ceramic point/anvil		
±0.001 in/±20 μm	1.5 or less	385	Deep throat, ceramic point/anvil		
±0.001 in/±20 μm	1.5 or less	380	Deep throat, ceramic point/anvil		

* Using ID-SX Digimatic indicator.

DIMENSIONS



Optional Accessories

Refer to page 07-90.

- Measurement Data Management **USB-ITPAK V3.0: 06AGR543**