

Functions (547-315A)

- Display: 6-digit display, sign
- 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
- 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

Optional Accessories

Refer to page 07-90.

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

Blade thickness measurement

- Measuring faces of the contact point and anvil are blade-shaped (thickness: 1 mm). Suitable for measuring narrow grooves.



547-315A

7315A

SPECIFICATIONS

Metric					
Code No.	Resolution (mm)	Range (mm)	Measuring depth (mm)	Contact point, Anvil (mm)	Parallelism of Contact point, Anvil (μm)
547-315A	0.01	0 - 10	30	t=1 Blade	10
Accuracy (μm)		Measuring force (N)	Mass (g)	Remarks	
±20		1.5 or less	260	Blade thickness	

Inch/Metric					
Code No.	Resolution	Range (in)	Measuring depth	Contact point, Anvil	Parallelism of Contact point, Anvil
547-316A	0.0005 in/0.01 mm	0 - 0.4	30 mm (1.18 in)	t=1 mm (0.04 in) Blade	0.0005 in/0.01 mm
547-516A*	0.0005 in/0.01 mm	0 - 0.47*	30 mm (1.18 in)	t=1 mm (0.04 in) Blade	0.0005 in/0.01 mm
Accuracy		Measuring force (N)	Mass (g)	Remarks	
±0.001 in/±20 μm		1.5 or less	260	Blade thickness	
±0.001 in/±20 μm		1.5 or less	240	Blade thickness	

* Using ID-SX Digimatic indicator.

Metric					
Code No.	Graduation (mm)	Range (mm)	Measuring depth (mm)	Contact point, Anvil (mm)	Parallelism of Contact point, Anvil (μm)
7315A	0.01	0 - 10	30	t=1 Blade	5
Accuracy (μm)		Measuring force (N)	Mass (g)	Remarks	
±15		1.4 or less	220	Blade thickness	

Inch					
Code No.	Graduation (in)	Range (in)	Measuring depth (in)	Contact point, Anvil (in)	Parallelism of Contact point, Anvil (in)
7316A	0.001	0 - 0.5	1.18	t=0.04 Blade	0.0005
Accuracy (in)		Measuring force (N)	Mass (g)	Remarks	
±0.001		1.8 or less	220	Blade thickness	

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

DIMENSIONS

