

SERIES 2 — Standard One Revolution Type for Error-free Reading, Lightweight Type

- The one revolution dial indicator (lightweight type) prevents the possibility of reading errors.
- Mitutoyo's unique shock-proof mechanism is incorporated, providing improved resistance to shock due to sudden spindle retraction caused by impact.
- Lightweight type (70 g).
- It is highly durable thanks to a hardened stainless-steel stem and spindle, carbide probe, and a large gear made of wear- and deformation-resistant materials.
- Application of an anti-reflective and hard surface coating improves scale visibility along with scratch and chemical resistance.
- The dead zone in red indicates "accuracy not guaranteed".



SPECIFICATIONS

	Metric ISO/JIS type L										ANS	I/AGD type	
Code No.				D	1	Maximum permissible error ()			
			Graduation	Range (range/rev)	Indication error				Repeat-	Dial	Measuring		
	w/lug	Flat-back	Flat-back	(mm)	1 , , , ,	1/10 Rev	1/2 Rev	1 Rev	Measuring range	Hysteresis	ability	reading	force (N)
Ì	_	2971AB	0.01	0.5 (0.7)	5	1	_	8	3	3	25-0-25	1.4 or less	
	_	2972AB	0.01	1 (1.4)	5	_	_	8	З	3	50-0-50	1.4 or less	
	_	2973AB	0.02	1.6 (2)	8	_		16	6	5	80-0-80	1.4 or less	

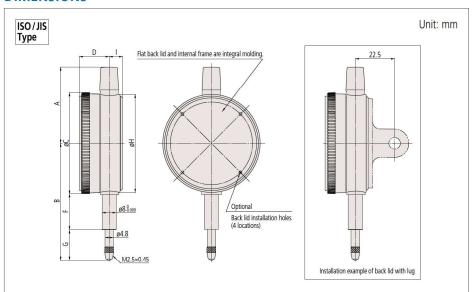
Į	Inch									
Ī	Code No.		Graduation Range		Accuracy (in)	Repeat-	Dial	Measuring		
	w/lug	Flat-back	(range/rev)		First 1 Rev/2.5 Rev/10 Rev	Retrace	ability (in)	reading		
	1	2976AB	0.0005	0.02 (0.028)	±0.0005/—/—	0.00016	±0.0001	10-0-10	1.4 or less	
	1	2977AB	0.0005	0.04 (0.055)	±0.0005/—/—	0.00016	±0.0001	20-0-20	1.4 or less	
	_	2978AB	0.001	0.06 (0.079)	±0.001/—/—	0.0002	±0.0002	30-0-30	1.4 or less	

Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.

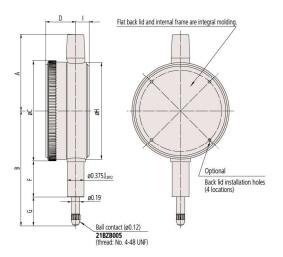


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DIMENSIONS



ANSI/AGD Type



Unit: in

Optional Accessory • Limit hand (2 pcs.): 21AZB195

Note 1: When installing an optional back (refer to page 07-69 for details) 4 retaining screws must also be obtained (**546666**: Self-tapping screw only for plastic).

Do not apply a tightening torque of more than 20 N·cm in order to avoid stripping the screw threads.

Note 2: An optional lifting lever, release or bezel clamp cannot be installed.

Metric									
Code No.	А	В	C	D	F	G	Н		Mass (g)
2971AB	43.2	65.6	57	16.9	20.3	16.8	55	7.6	
2972AB	43.2	66	57	16.9	20.3	17.2	55	7.6	70
2973AB	43.2	66.3	57	16.9	20.3	17.5	55	7.6	

Inch									
Code No.	Α	В	С	D	F	G	Н	_	Mass (g)
2976AB	1.70	2.55	2.24	0.67	0.80	0.63	2.17	0.30	
2977AB	1.70	2.56	2.24	0.67	0.80	0.64	2.17	0.30	70
2978AB	1.70	2.57	2.24	0.67	0.80	0.65	2.17	0.30	

Note: Refer to pages 07-63 to 07-68 for details of contact points.







Shockproof

Dustproof





Graduation: 0.01 mm, Measuring range: 1 mm 2972AB 2972AB

Shockproof

Dustproof

Balanced scale



Graduation: 0.02 mm, Measuring range: 1.6 mm

2973AB **O**ne revolution

Shockproof

Dustproof

FEATURES

LATIONE					
Metric	ISO/JIS	type	Д	NSI/AC	GD type
Code	No.	3		5	[: X :]
w/lug	Flat-back	10 0 10	7	5	
_	2971AB	~	~	~	~
_	2972AB	~	~	~	~
_	2973AB	~	~	~	~

Inch					
Cod	e No.	3		5	[:X]
w/lug	Flat-back	10 0 10		5	
_	2976AB	V	~	~	~
_	2977AB	~	~	~	~
-	2978AB	~	V	V	~

