



An inspection certificate is supplied as standard.
Refer to page X for details.

Functions

Minimum value detection function
Preset function (3 Preset values can be stored)
Tolerance judgement function (3 sets of upper and lower limits can be stored)
Resolution selection function
Analog bar resolution selection function
Key lock function
in/mm conversion (when external device is connected)
Display hold function (when external device is connected)
Data saving/calling function (when external device is connected)
Data output function
External PC setting input function
Display rotation function
Low battery/voltage alarm display
Error alarm display

Optional Accessories

- SPC Cable:
No.905338 (1m)
No.905409 (2m)
 - USB Input Tool Direct (2m) : No.06ADV380F
 - Connecting Cables for U-WAVE-T (160mm) :
No.02AZD790F
For footswitch : No.02AZE140F
Refer to page F-60 for details.
 - Digimatic Mini-Processor DP-1VR: 264-504
 - Parameter setup kit : No.21EZA313
- Note: Parameter setting software (can be downloaded freely from Mitutoyo website) is also required.

The ABSOLUTE Digimatic Bore Gage



ABSOLUTE Digimatic Bore Gages, which integrate the display with a bore gage measuring unit, are also available.
Refer to pages C-41 and C-42 for details.



ABSOLUTE Digimatic Indicator ID-C SERIES 543 — Bore Gage Type

- Dedicated to inside measurement with minimum-value Hold and tolerance judgement functions.
- Measurement data memory function (9 measurement results can be stored)
- Simple operation of many functions with five buttons and status icons.
- Wide LCD and new analog bar graph are now standard on all models.
- Sampling is performed fifty times per second for accurate detection of maximum and minimum values.



543-312B

SPECIFICATIONS

Metric		ISO/JIS type		ASME/ANSI/AGD type				
Order No.*	Range	Resolution	Accuracy*1	Hysteresis*1	Repeatability*1	Power supply	Battery life (normal use)*2	Net weight
543-310B	12.7mm	0.001/0.01mm	0.003mm	0.002 mm	0.002 mm	CR2032 x 1 pc.	Approx. 1 year	170 g

*Flat back only

Inch/Metric								
Order No.*	Range	Resolution	Accuracy* ¹	Hysteresis* ¹	Repeatability* ¹	Power supply	Battery life (normal use)* ²	Net weight
543-311B	.5"/12.7mm	.00005/.0001/.0005"/ 0.001/0.01 mm	±.00010" / 0.003 mm	.00010" / 0.002 mm	.00010" / 0.002 mm	CR2032 x 1 pc.	Approx. 1 year	170 g
543-312B								

*Flat back only

*1 Does not include quantizing error (±1 count). Valid for resolution set to 0.001mm/0.0005"

*2 Applies only if not connected to a data processor. Battery life depends on use of the indicator. Use the above value as a guide only. (TIP) Battery life with Peak detection mode and FAST mode ON is about 4.5 months.

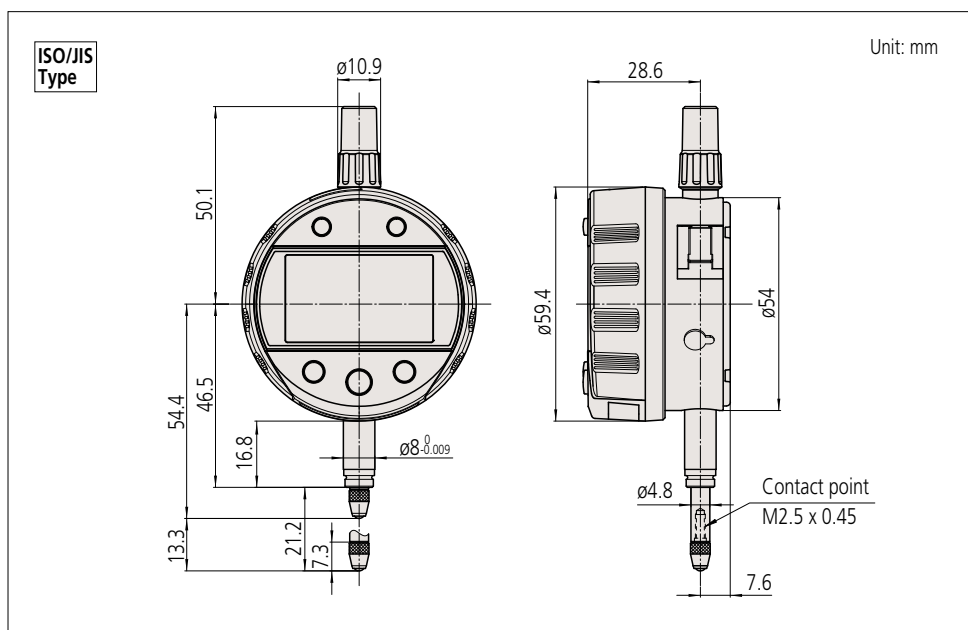
Notes:

1) Min. hold: sample rate is 50 readings/sec; maximum trackable rate of change is 50µm/sec.

2) All instruments in this series are of the flat back type.

3) All instruments in this series can be only used for inside diameter measurement.

DIMENSIONS



Note 1: Dimensions of the inch (ANSI/AGD Type) dial indicator partly differ from those of the metric (ISO/JIS Type) indicator.

Note 2: Inch (ANSI/AGD Type) dial indicators are provided with a stem of 3/8" dia. and #4-48UNF thread mount for the contact point.