



Product Information

Indicators

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Product Overview

## ABSOLUTE Digimatic Indicator ID-C Series-Calculation Type

Series 543

**FEATURES:**

A conventional Digimatic indicator simply displays a spindle displacement, but the Calculation-Type Digimatic indicator incorporates an internal calculation function in place of spindle displacement. With fixtures, measurements such as feeler, inside diameter and radius of curvature measurement can easily be obtained without the hassle of conversion tables or equivalents.

- The Absolute Digimatic indicator performs internal calculations using the formula  $Ax+B+Cx-1$  (assuming spindle displacement as  $x$ ) while the specified coefficients  $A$ ,  $B$  and,  $C$  can be set with respect to the purpose of measurement or dimensions of the fixtures. This unique feature allows you to read your measurements directly, without fumbling for conversions.

**Technical Data**

Accuracy: Refer to the list of specifications.  
 Resolution: 0.0002mm - 1mm or .00001" - .05"/0.0002mm - 1mm  
 Display: LCD  
 Length standard: ABSOLUTE electrostatic capacitance type linear encoder  
 Max. response speed: Unlimited  
 Measuring force: 1.5N or less  
 Battery: SR44 (1 pc.), **938882**  
 Battery life: Approx. 12 months under normal use

**Function**

Origin-set/Presets, Zeroset, GO/±NG judgment, Counting direction switching, Power ON/OFF, Data output, inch/mm conversion (on inch/metric models only)  
 Alarm: Low voltage, Counting value composition error, Over-flow error, Tolerance limit setting error

**Optional Accessories**

- 905338:** SPC cable (40" / 1m)
- 905409:** SPC cable (80" / 2m)
- 902011:** Spindle lifting lever (ISO/JIS type)
- 540774:** Spindle lifting cable (Stroke: .4" / 10mm)



| Inch/Metric            | Metric                     |                            |                            |                            |                            |                            |  |
|------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--|
| <b>Order No</b>        | 543-286B                   | 543-287B                   | 543-481B                   | 543-482B                   | 543-486B                   | 543-487B                   |  |
| <b>Model</b>           | ID-C112RMB                 | ID-C112REB                 | ID-C125RMB                 | ID-C125REB                 | ID-C150RMB                 | ID-C150REB                 |  |
| <b>Parts</b>           | Parts Break Down           | Parts Break Down           |                            |                            |                            |                            |  |
| <b>Resolution</b>      | .00001-.05in<br>0.0002-1mm | .00001-.05in<br>0.0002-1mm | .00001-.05in<br>0.0002-1mm | .00001-.05in<br>0.0002-1mm | .00001-.05in<br>0.0002-1mm | .00001-.05in<br>0.0002-1mm |  |
| <b>Range</b>           | .5in 12.7mm                | .5in 12.7mm                | 1in 25.4mm                 | 1in 25.4mm                 | 2in 50.8mm                 | 2in 50.8mm                 |  |
| <b>Accuracy</b>        | .00012in                   | .00012in                   | .00012in                   | .00012in                   | .00025in                   | .00025in                   |  |
| <b>Measuring Force</b> | 1.5N or less               | 1.5N or less               | 2.0N or less               | 2.0N or less               | 2.3N or less               | 2.3N or less               |  |
| <b>Type</b>            |                            |                            |                            |                            |                            |                            |  |

