

Mitutoyo > Products & Solutions > Small Tool Instruments and Data Management > Indicators > Digimatic Indicators > ABSOLUTE Digimatic High Function, High Accuracy Indicator ID-H



SERIES 543

ABSOLUTE Digimatic High Function, High Accuracy Indicator ID-H

The Mitutoyo ABSOLUTE Digimatic ID-H high accuracy, high function indicators provide the latest technologies to give this indicator series the highest accuracy possible and the most functionality available in its class.

VIEW DIMENSIONS

[Request Demo](#) | [Support Request](#) | [Register Product](#)

FEATURES & BENEFITS

The Mitutoyo ABS ID-H Series digital indicator offers excellent accuracy and robust functionality to make precise, repeatable linear measurements of up to 30.4mm/1.2”. The ID-H indicator has five user-selectable resolutions, and zero can be set at any spindle position for measuring in either plus or minus directions or both directions. The indicator displays maximum and minimum read hold and changes color from green to red when user-defined tolerances are exceeded. There is also a total indicator reading (TIR) function that displays the absolute difference between the highest and lowest readings. Remote control functionality is available with an optional handheld controller (21EZA099).

- Available in Metric and Inch/Metric models
- Available with SPC output capabilities
- Use remotely via a handheld controller or RS-232C interface
- The high-speed detector measures 100 times per second
- Signal can be outputted to an external device
- Analog bar provides easy-to-read values when scanning for Max, Min and TIR values
- Go/No-Go judgements are performed by setting the upper and lower tolerances
- ABSOLUTE (ABS) linear scale eliminates the need for setting the origin point every time the micrometer is powered on
- Origin reset is not required even when data is re-displayed after disappearance due to insufficient illumination during use
- SPC output function allows for quick and easy data management in real time
- Functions include: Remote control, origin set/preset, zero-set, Go/No-Go judgement, max/min value hold, analog bar, runout measurement, resolution switching, counting direction switching, power On/Off, data output and inch/mm conversion (on inch/metric models only)
- Alarm: Low voltage, counting value composition error, over-flow error and tolerance limit setting error
- Unlimited response speed eliminates over-speed errors
- Measurements are shown on a large, easy-to-read LCD display
- Sealed housing meets IP30 rating for dust and water protection
- Supplied in a fitted plastic case

SERIES 543 TECHNICAL DATA

Technology:	Digimatic
Selectable resolution:	Yes
Back Type:	Flat Back
SPC Output:	Yes
Display:	LCD
Length Standard:	ABSOLUTE electrostatic capacitance type linear encoder
Max Response Speed:	Unlimited
Power Supply:	6V DC
Standard Accessories:	06AEG180JA

PRODUCT LIST

Order No.:		Min Range:	Max Range:	Resolution:	Accuracy:
543-561A		0mm	30.4mm	0.001, 0.00005mm	±0.0015mm
543-562A		0" / 0mm	1/2" / 30.4mm	.00002, .0001, .00005" / 0.001, 0.00005mm	±0.0015mm
		0mm	60.9mm	0.001, 0.00005mm	±0.0025mm
543-563A		0" / 0mm	2.4" / 60.9mm	.00002, .0001, .00005" / 0.001, 0.00005mm	±0.0025mm

CONTACT US ABOUT THIS PRODUCT

[Request Demo](#) | [Support Request](#) | [Register Product](#)

 News

August 12, 2022

Mitutoyo America Corporation is pleased to announce the release of the RTX Roundtracer Extreme all-in-one measuring system that integrates roundness, contour and surface roughness measurement functions on a single platform to save time and improve productivity.

[View All](#) →

 Events

August 20 - 25, 2022

The NCSLI Annual Conference promotes research in measurement science and foster scientific exchange between researchers, practitioners, scientists, students, engineers and all metrology professionals and affiliated disciplines.

[View All](#) →



Education

September 16, 2022

[Seminar #511: Test Uncertainty \(IMTS Week!\)](#) / Aurora, IL / Mitutoyo M3 Center

[View All](#) →

Subscribe and Stay Informed

Email Address

SUBMIT

Products and Solutions
Services
Resources
About Us
Contact Us

Also of Interest

[ABSOLUTE Digimatic Indicator ID-C](#)

[ABSOLUTE Digimatic Signal Output Function...](#)

[ABSOLUTE Digimatic Calculation Type Indicator ID-C](#)



© 2022 Mitutoyo America Corporation. All rights reserved. | [Privacy Policy](#)

