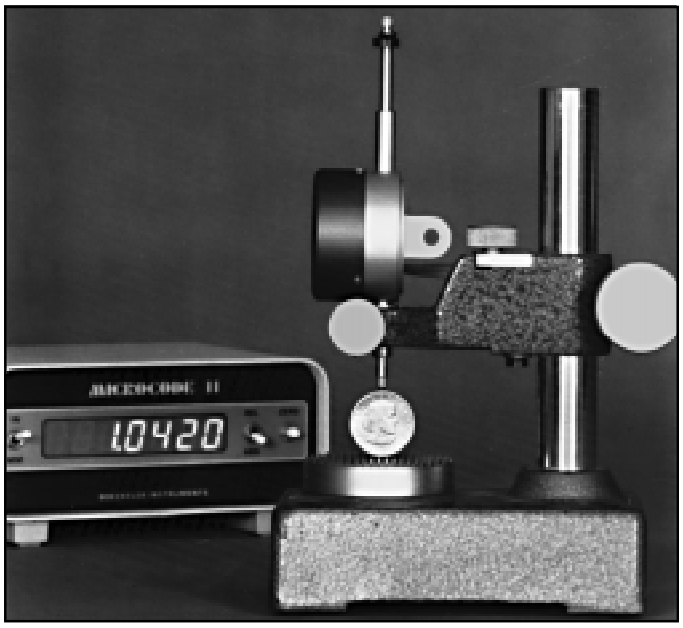
Digital Dial Indicators



Boeckeler digital dial indicators are available with a variety of mounting backs. The standard back is the vertical mount. Also pictured is a one axis Microcode II digital readout.

APPLICATIONS

A Boeckeler® digital dial indicator can be used as a direct replacement for most mechanical dial indicators in many applications, including the following:

- **Production inspection.**
- **Z-axis measurement from microscope stands.**
- **Out-of-roundness measurements.**
- **Many other applications.**

FEATURES

Boeckeler's digital dial indicators offer many advantages over conventional dial indicators, such as:

- Encoded dial indicators have greater resolution than conventional indicators.
- Accuracy to +/- 0.000 2 in (+/- 0.005 mm).
- Resolution to 0.000 01 in (0.001 mm).
- Measurement range to 4 in (100 mm).
- Rapid, error-free measurement.
- Proven, trouble-free operation.
- Conformance to American Gage Design (AGD) tolerances.
- Electronics which are well insulated from shock, dirt, dust, chips, etc.
- Compatible with digital readouts which provide large, high contrast LED readings.
- A variety of mounting options: horizontal lug back, flat back, and adjustable back.
- Accessories available include shock tip, roller tip, lift lever, extensions, and extension tips to serve a variety of applications.

DIGITAL READOUTS

The Microcode II™ digital readout provides many useful features when used with digital dial indicators. The relative or absolute zero switch allows a temporary zero without losing an absolute zero reference. Inch or metric readings are selectable at any time. The direction of the count (plus/minus) sign can be reversed, and an optional RS-232 data port is available to provide data output to a printer or computer. Other options include: Min/Max/Diff for measuring "out-of-roundness," Offset for adding dimensions of gage rods and blocks, Averaging RS-232 output, and a Dual Voltage power supply. The Microcode II digital readout is a state-of-the-art microprocessor and can be tailored to your application.

BOECKELER®

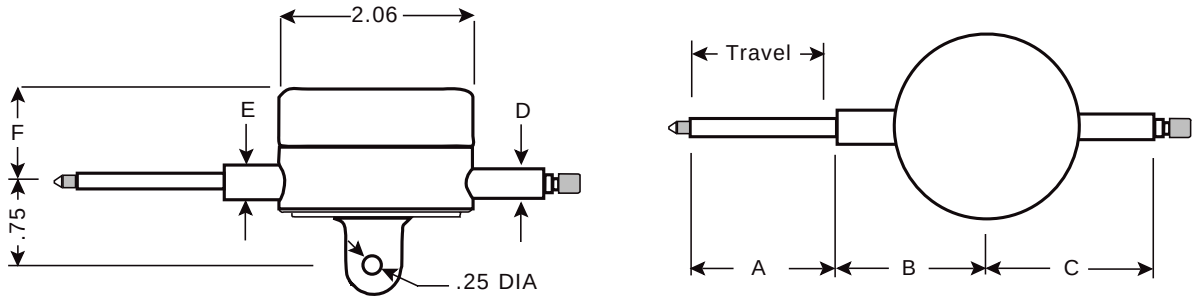
SPECIFICATIONS

Model	Range	Resolution	Accuracy	AGD Size
101	0-25mm	0.001mm	+/-0.01mm	2
102	0-50mm	0.001mm	+/-0.01mm#	2
104	0-100mm	0.001mm	+/-0.01mm#	2
~~20.5E~~	~~0-0.5in~~	~~0.000 01in~~	~~+/-0.000 5in*~~	~~2~~
201E	0-1.0in	0.000 05in	+/-0.000 5in*	2
~~31.25E~~	~~0-0.25in~~	~~0.000 1in~~	~~+/-0.000 5in*~~	~~1~~
301M	0-25mm	0.001mm	+/-005mm*	2
302M	0-50mm	0.001mm	+/-005mm#*	2

per 25mm of travel.

* comes with NIST traceable calibration certificate.

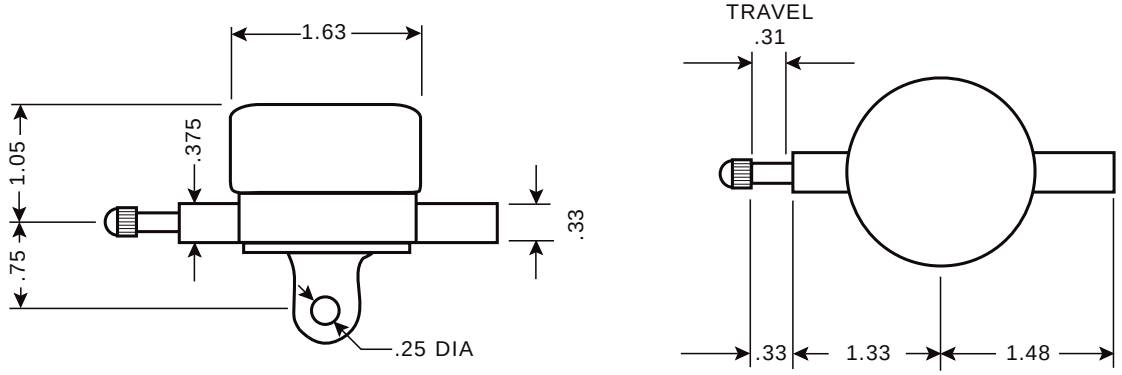
AGD SIZE 2



Model	Travel	A	B	C	D	E	F
101/301M	30mm	1.20in	1.80in	1.945in	.315in	.315in (1)	1.05in
102/302M	50mm	2.04in	2.61in	3.800in	.435in	.315in (1)	1.05in
104	100mm	4.10in	4.84in	5.860in	.435in	.394in	1.05in
~~20.5E~~	~~0.5in~~	~~0.58in~~	~~1.70in~~	~~2.000in~~	~~.325in~~	~~.375in~~	~~1.36in~~
201E	1.0in	1.13in	1.70in	1.800in	.325in	.375in	1.36in

(1)Sleeve provided for 0.375in mounting.

AGD SIZE 1 (only for model 31.25E)



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