

Digital Linear Gages

Boeckeler digital linear gages are available in a variety of lengths and resolutions. Designed for longer life and durability, the digital linear gage offers an accurate alternative to dial indicators. Also pictured is a one axis Microcode II digital readout.



APPLICATIONS

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

- **Production inspection.**
- **Z-axis measurement on microscope stands.**
- **Out-of-roundness measurements.**
- **Precision height gage or bench comparator.**
- **Fixtured tooling or machining applications.**

FEATURES

Boeckeler digital linear gages offer many advantages over conventional dial indicators, such as:

- Greater resolution than conventional indicators.
- Accuracy to +/- 0.003 mm (+/- 0.000 120 in) per 25 mm travel.
- Resolution to 0.000 5 mm (.000 02 in). *For 0.000 5 mm resolution DLGs, the Boeckeler Microcode II™ digital readout in metric mode will display up to 100 mm only.*
- Measurement range to 310 mm (12 in). *For other ranges, contact Boeckeler Instruments, Inc.*
- Proven, trouble-free operation.
- Electronics which are well insulated from shock, dirt, dust, chips, etc.
- Compatible with TTL quadrature digital readouts.
- Accessories available include shock tip, roller tip, extensions, and extension tips to serve a variety of applications.

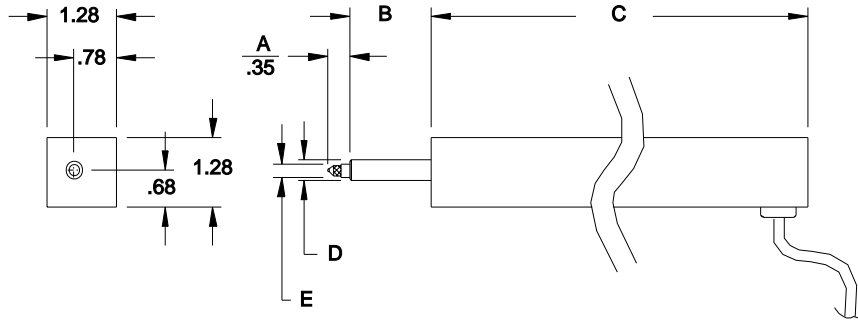
DIGITAL READOUTS

The Microcode II™ digital readout provides many useful features when used with digital linear gages. 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.

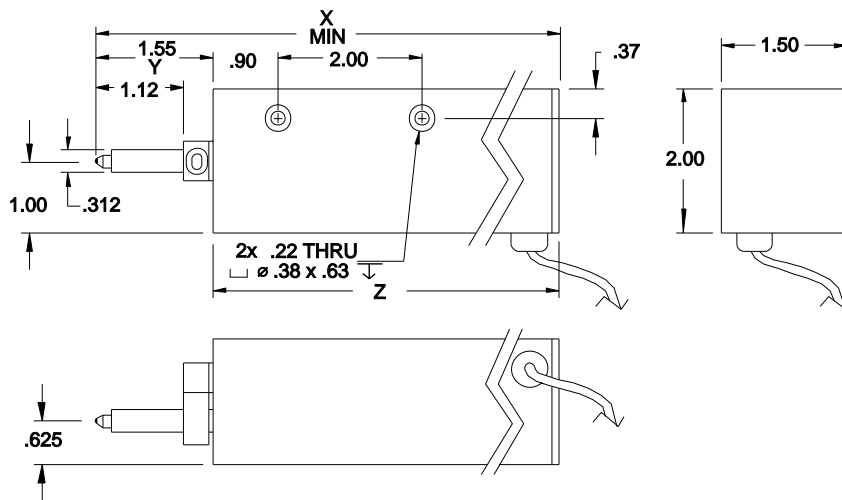
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SPECIFICATIONS

Model	Range	Resolution	Overall Accuracy	Dimensions in Inches (refer to diagram)				
				A	B	C	D	E
DLG-30	0-30 mm	0.001 mm	+/-0.003 mm	1.55	1.00	4.25	0.315	0.19
DLGH-30	0-30 mm	0.000 5 mm	+/-0.003 mm	1.55	1.00	5.20	0.315	0.19
DLG-60	0-60 mm	0.001 mm	+/-0.005 mm	2.72	1.00	8.00	0.315	0.19
DLGH-60	0-60 mm	0.000 5 mm	+/-0.005 mm	2.72	1.00	7.00	0.315	0.19
DLG-110	0-110 mm	0.001 mm	+/-0.010 mm	4.70	1.50	11.10	0.375	0.25
DLGH-110	0-110 mm	0.000 5 mm	+/-0.010 mm	4.70	1.50	11.10	0.375	0.25



Model	Range	Resolution	Overall Accuracy	Dimensions in Inches (refer to diagram)		
				X	Y	Z
DLG-160	0-160 mm	0.001 mm	+/-0.015 mm	13.50	7.85	11.95
DLGH-160	0-160 mm	0.000 5 mm	+/-0.015 mm	13.50	7.85	11.95
DLG-310	0-310 mm	0.001 mm	+/-0.030 mm	19.50	13.75	17.95
DLGH-310	0-310 mm	0.000 5 mm	+/-0.030 mm	19.50	13.75	17.95



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