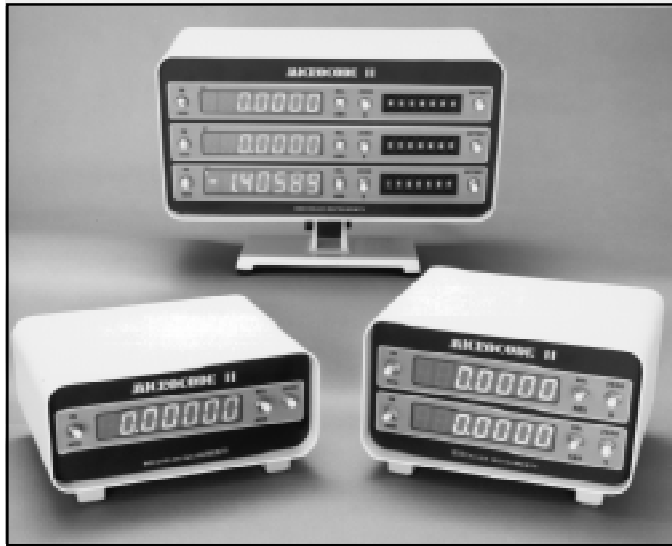# Digital Readouts

Shown left, 1-M, 2-M and 3-MOT digital readouts. Click on the image for a larger view.

APPLICATIONS

A Boeckeler® digital readout can be used to display measurement or positioning information from the following devices:

- **Digital positioner and micrometer heads.**

- **Digital dial indicators.**

- **Digital linear gages.**

- **Digital filar eyepieces (requires readout with scaler).**

- **Linear measuring systems.**

DESCRIPTION

The Microcode II ® digital readout is a state-of-the-art microprocessor with. Available in one, two, and three axis versions with a variety of additional options, the Microcode II can be tailored to your application.

FEATURES

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

- Inch or metric readings selectable at any time.
- A relative or absolute zero switch which allows a temporary zero without losing an absolute zero reference.
- A zero reset.
- The direction of the count (plus/minus) sign can be reversed.
- Optional RS-232 output to computer or printer.
- An RS-232 averaging option.
- A scaler option which permits the use of a scale factor (required with digital filar systems).
- Min/Max/Diff option for measuring "out of roundness."
- Offset option for adding the dimensions of gage rods and blocks.
- Optional output to Mitutoyo(TM) SPC products.
- Dual voltage option for 115/220 volt power supply.
- Tilting base option.
- CE Mark.

BOECKELER®

‖ COMMON CONFIGURATIONS

Model/Config.	Description
1-M	one-axis digital readout without options
1-MD	one-axis digital readout with dual voltage
1-MR	one-axis digital readout with RS-232 output
1-MS	one-axis digital readout with scaler (required with digital filar systems)
1-MOR	one-axis digital readout with offset and RS-232 output
1-MSR	one-axis digital readout with scaler and RS-232 ouput
2-M	two-axis digital readout without options
2-MR	two-axis digital readout with RS-232 output
2-MO	two-axis digital readout with offset
2-MOR	two-axis digital readout with offset and RS-232 output
3-M	three-axis digital readout without options
3-MR	three-axis digital readout with RS-232 output
3-MOR	three-axis digital readout with offset and RS-232 output

‖ SPECIFICATIONS

Inputs   Encoders with TTL quadrature square wave output as standard.

Error Messages   Power failure and overflow.

Display   Full six decades of seven segment LED's readable to 20' at 120 degrees.

Resolution   To .000 1 mm or .000 010 in. Optional resolution to .000 005 in.

Approx. Dimensions Up to 7.5" (H) x 10" (D) x 5" (W).

Approx. Weight   Up to 6 lbs.

Warranty   1 year parts and labor

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