



## rendsetter II Column Amplifier

**T**he versatile,  
economical readout  
for air or electronic  
gaging

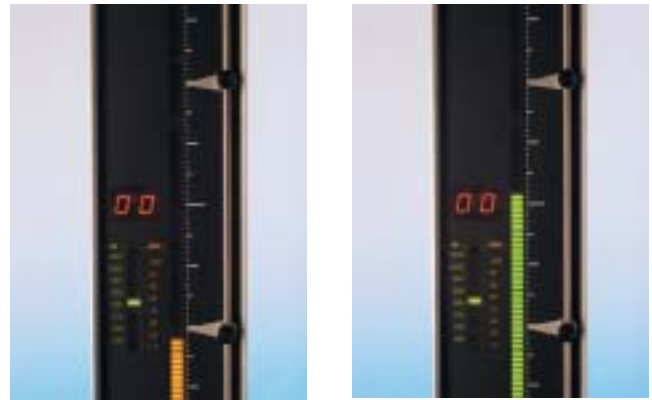


# *It's generation **next** of the most popular gage readout in manufacturing*

One of the workhorses in manufacturing since the 1970s is our legendary Trendsetter™ analog column amplifier. Trendsetter II streamlines the best features of the earlier generation model and provides new benefits to the user. It is now a digital unit that is selectable for any one of eight scale ranges. With a quick module change, the column can be used with electronic or air gaging tools. Inch or metric results are displayed on the tri-color LED bar graph as a deviation from a nominal size. "Good," "oversize," and "undersize" conditions are recognized instantly by either green, red, or yellow bar colors. With its RS-232 output, the information can be downloaded to a variety of media for storage or further analysis.

## **One unit displays a host of dimensional measurement**

Trendsetter II is a programmable single feature gaging amplifier featuring two quick-change modules. One is an electronic module that accepts up to two Edmunds LVDT inputs for measuring simple single element dimensions, or a combination of the two inputs, such as when checking diameters. The other module is designed for single input air gaging and contains an air-to-electronic transducer, capable of accepting almost any brand tooling. It changes the air pressure signal to voltage for the column display. Typical dimensions that can be measured using the Trendsetter II include diameters, width, length, height, and thickness. Also, because of the Trendsetter II's ability to lock and display dynamic values, users can also measure geometric forms such as a T.I.R., parallelism, roundness and tapers or max or min peaks.



*Gaging results are recognized instantly on the tri-color bargraph*

## **Multiple units for multiple measurements**

The Trendsetter II comes equipped with an analog port to buss signals over I/O matrix lines, providing the ability to communicate column to column. In practice, several Trendsetter II units can be connected together for measuring multiple dimensional features. A typical example of this set up is if you wish to measure clearance between two mating parts. The electronic module also doubles for summing or calculating differences from other column outputs.

## **Automatic gaging? No problem!**

While most of our Trendsetter II readouts are used in single element manual gaging applications, we can configure them for use in multi-dimensional automatic measuring applications. Part status may be communicated with the use of an optional internal plug-in board. Such conditions can be informed by communicating with a light or audibly by ringing a bell or even open a sorting gate to separate good and reject parts. Obviously, automatic gaging is a much more comprehensive and complex solution and requires expertise in which Edmunds Gages is world-renowned.



*RS-232 output and analog ports are conveniently located on rear side*



**More selectable scales**

We are pleased to offer eight easily selectable full scale values with the Trendsetter II, giving you the flexibility to measure a host of jobs with varying tolerance ranges, now and in the future. These scales, in both inch and metric, span most every tolerance range by today's manufacturing standards:

Inch	Metric
0.0002"	0.005 mm
0.0005"	0.01 mm
0.001"	0.02 mm
0.002"	0.05 mm
0.005"	0.10 mm
0.01"	0.20 mm
0.02"	0.50 mm
0.05"	1.0 mm

*Setup is accomplished easily using six keys and the alphanumeric display on the front panel.*



*Air module*



*Electronic module*



# *Integration with peripheral devices for ultimate data control and manipulation*

The Trendsetter II can be easily setup right at the unit with the use of six keys on the front panel. And, for your convenience, data can be offloaded to a PC or hand held PDA for transferring to a remote storage device. You can also download data to a printer or other synchronizing devices. Some customers crunch results through sophisticated SPC programs on their desktop computers to analyze the data even further. Whatever your measurement goals with Trendsetter II, we can help you achieve them.



## **Trendsetter II – Compare the features and benefits**

- Easy to read dimensional values
- Modular design adapts to many types of gaging applications
- Digital output for data collection and reporting
- Multiple column measurement communication
- Low cost, economical approach to measurement
- 10" tri-color 101-element discrete LED bargraph display denoting size and limit status
- Alpha-numeric LED digital display
- Inch or metric display options at the press of a button
- 8 inch and 8 metric selectable ranges
- End of scale LED indicators
- Easily selected limits and range
- Modular signal conditioning including electronic, air-to-electronic, and sum-difference capability
- Electronic input from all Edmunds Gages LVDT products
- Compatible with most air gage tooling including back pressure, back pressure bleed, flow and differential
- Live, + Peak, - Peak and T.I.R. gaging modes
- Extruded aluminum enclosure proven for the shop environment
- 100 to 240 VAC 50 – 60HZ global switching power capability
- RS-232C serial output
- 24VDC Parallel Relay Contact I/O. 4 inputs, 8 outputs
- 2.5" w x 12.12" d x 21.83" h (63.5 x 257 x 556 mm)
- Weight: 10.5 lbs. (4.75 Kg)



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