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Accusetter II Column Amplifier

*The air and
electronic,
energy-efficient,
"4-in-1" readout*



The Accusetter II column amplifier offers the flexibility, practical sophistication, and energy efficiency you need

Whether your dimensional gaging needs are from simple one check manual applications to more complex, multiple-checks in a semi-automatic mode, the Accusetter II is the ideal column amplifier for you.

Why? In a word – flexibility. Its microprocessor base provides the versatility, accuracy, memory, and the ability to download gaging data to peripheral computer equipment for remote storage capacity or further mathematical analysis. For your convenience, the air gaging modules operate with most major brands of air tooling.

The Accusetter II, the next generation of our widely popular Accu-Setter™ readout, is the most advanced gaging column amplifier available for day-in, day-out shop floor performance. The Accusetter II's tri-color display provides the ability to visually indicate good, oversize or undersize status using the L.E.D.'s quick "at-a-glance" results, speeding up the measurement process. The alphanumeric display reports measurements in absolute size or as a deviation from nominal. Further, the new optional Auto-Air package offers users dramatic air consumption savings when not in use.

Typical dimensions that can be measured using Accusetter II include inside and outside diameters, width, length, height, thickness, T.I.R., parallelism, roundness, tapers, and max or min peaks.

Consider the host of features, all designed with you and your gaging needs in mind:



Yellow – under



Green – good



Red – oversize

Simple Push-Button Control

With Accusetter II, virtually all operations are controlled by a single button. Simply select the category from the 6 "hot keys," rotate to view selections, and push to select. An easy-to-read L.E.D. alphanumeric display prompts you step-by-step through the setup and gaging functions.

Clearly labeled "hot keys" are provided for the most frequently used functions, such as calibration and range choice



Advanced Software Features

- **4-Check Capability** – Up to 4 checks can be programmed allowing up to 4 single input electronic gages to be used simultaneously, or 4 different checks with one 4-input gage.
- **Auto Recognition** – Accusetter II can identify which gage is being used in the multiple fixture program without manual intervention. For example, if there are two gages connected to the Accusetter, the system will automatically display the correct gage being used. The operator does not have to select the correct check to be displayed. The system also does the same during the calibration procedure.
- **Program Storage** – Up to 6 part programs can be stored in the Accusetter software program allowing fast changeover of different setups. Additional programs can be stored offline and uploaded to the Accusetter II.
- **Auto Reset** – For dynamic gaging, this feature allows a programmable time delay after the tooling is inserted into the part before the display is updated with the new measurement. The time delay is programmable from 1 to 10 seconds.



Up to four gages can be used simultaneously or one gage can make four different checks with Accusetter II

Operating choices

With Accusetter II, you get a choice of four interchangeable signal conditioning modules:

- two-LVDT input electronic gaging
- four-LVDT input electronic gaging
- one-input air gaging
- two-input air gaging



Selectable scales

With eight selectable full scale values on the Accusetter II, you get the flexibility to measure a wide variety of parts with varying tolerance ranges on one readout device. 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

Auto-Air energy efficient conservation package

The Auto-Air automatic air shut-off device saves multiple unit customers large savings in annual energy costs

With rising utility costs, many manufacturers are seeking ways to cut energy consumption, which includes the use of compressed air. To conserve this particular glutton of energy use, Edmunds Gages has developed Auto-Air, an automatic air valve that switches on and off during non-gaging use. Equipping your Accusetter II with Auto-Air allows a low-pressure, minute volume of air to pass through the amplifier and the air tooling. Upon tool engagement, Accusetter II senses a back-pressure build up and automatically switches the pressure and volume of air to an optimum level for the application. This regulated pressure remains in place for a predetermined amount of time (5, 10, 15 or 20 seconds) after the air tool is removed from the gaged part.



Specifications

Dimensions	2.5W x 10.12D x 21.83H (63.5 mm x 257 mm .556 mm)
Weight	10.5 lbs. (4.75 Kg)
Power Requirements	110 – 240 VAC, 50 / 60 Hz
Output	Serial RS-232C or ± 2.5 VDC electronic (Full Scale) ± 1.67 VDC air (Full Scale)
Display	101-point L.E.D. bargraph and 8-character .200H (5 mm) alphanumeric display
Available Modules	E9300 Mainframe E9310 2 input Electronic E9320 4 input Electronic E9330 1 input Air-to-Electronic E9340 2 input Air-to-Electronic



Upload/download to peripheral devices for additional data management

For your convenience, via the RS-232C serial output, data can be offloaded to a PC or hand-held PDA for transferring to a remote storage device. You can also download results to a printer. Some customers crunch results through sophisticated SPC programs on their desktop computers to analyze the data even further.

Further, many Accusetters are at work in custom automatic gaging applications requiring our additional expertise in this area. Edmunds is world-renowned for its knowledge base in all levels of gaging, from manual to fully automatic systems. Whatever your measurement goals with the Accusetter II, we can help you achieve them.

