

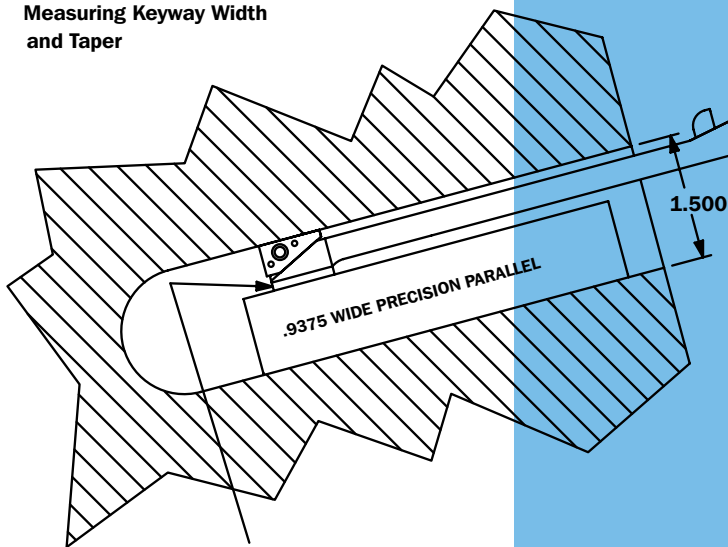
ELECTRONIC ADJUSTABLE MEASURING PARALLELS

Model EAMP

Three Sizes 5", 12", & 17"

TYPICAL APPLICATION

Measuring Keyway Width and Taper



TO CALCULATE SLOT WIDTH

(numbers are in mils)

62.5	Readout value
400.0	Head Nominal Width
100.0	Adder Block Thickness
937.5	Precision Parallel Thickness
1500.0	Total Measured Dimension (equals 1.5000 inches)

62.5

Remote Digital
LCD Readout

10 Foot Cable



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www.turbinealignment.com

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APPLICATION

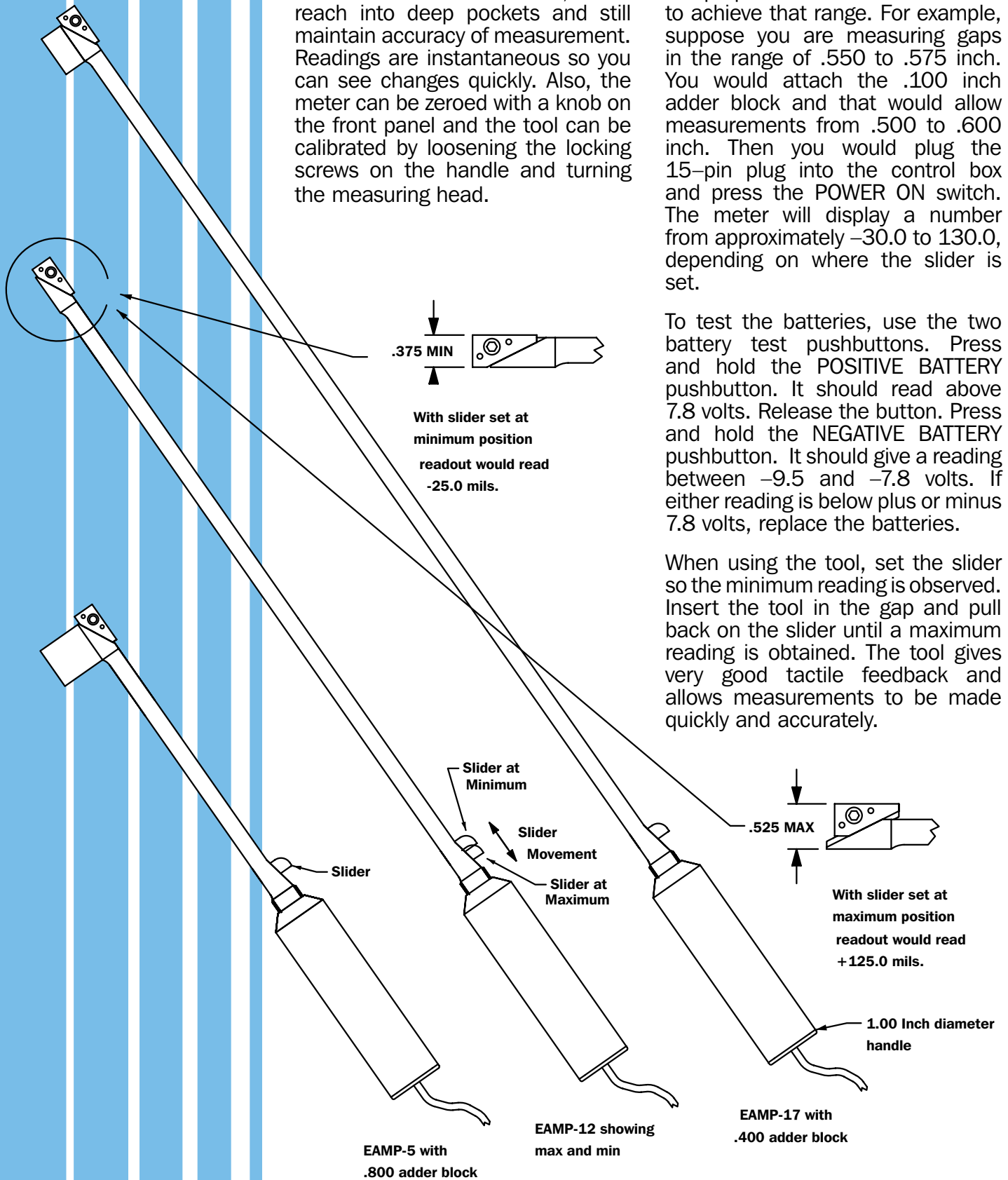
The EAMP can be used anywhere a gap needs to be measured that is greater than .400 inch wide. Due to its extended construction, it can reach into deep pockets and still maintain accuracy of measurement. Readings are instantaneous so you can see changes quickly. Also, the meter can be zeroed with a knob on the front panel and the tool can be calibrated by loosening the locking screws on the handle and turning the measuring head.

DESCRIPTION

To use the EAMP, you first decide on what range of measurement you will be working in and then install the proper amount of adder blocks to achieve that range. For example, suppose you are measuring gaps in the range of .550 to .575 inch. You would attach the .100 inch adder block and that would allow measurements from .500 to .600 inch. Then you would plug the 15-pin plug into the control box and press the POWER ON switch. The meter will display a number from approximately -30.0 to 130.0, depending on where the slider is set.

To test the batteries, use the two battery test pushbuttons. Press and hold the POSITIVE BATTERY pushbutton. It should read above 7.8 volts. Release the button. Press and hold the NEGATIVE BATTERY pushbutton. It should give a reading between -9.5 and -7.8 volts. If either reading is below plus or minus 7.8 volts, replace the batteries.

When using the tool, set the slider so the minimum reading is observed. Insert the tool in the gap and pull back on the slider until a maximum reading is obtained. The tool gives very good tactile feedback and allows measurements to be made quickly and accurately.

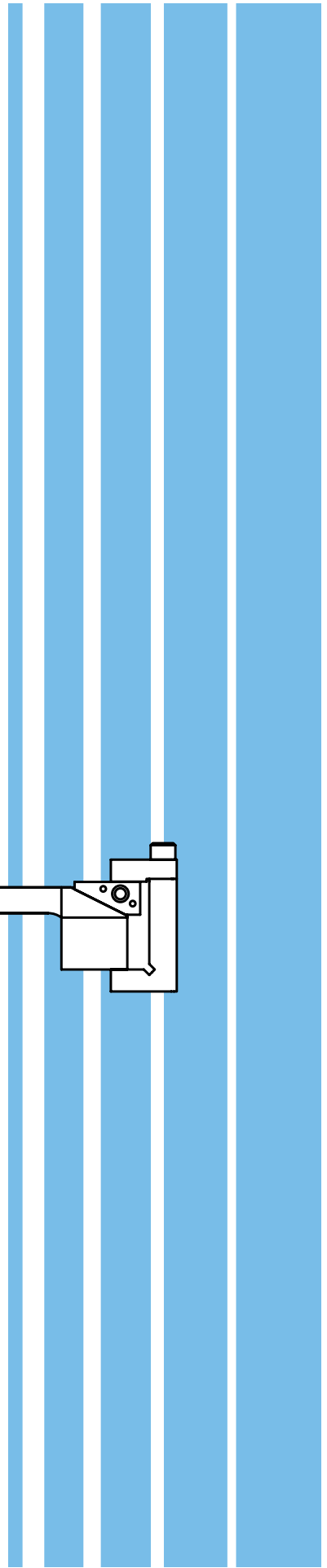
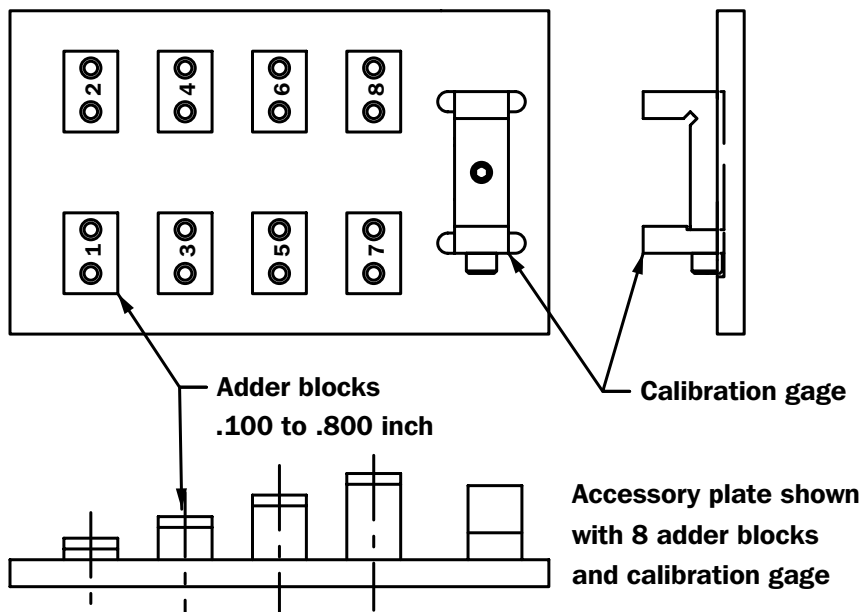
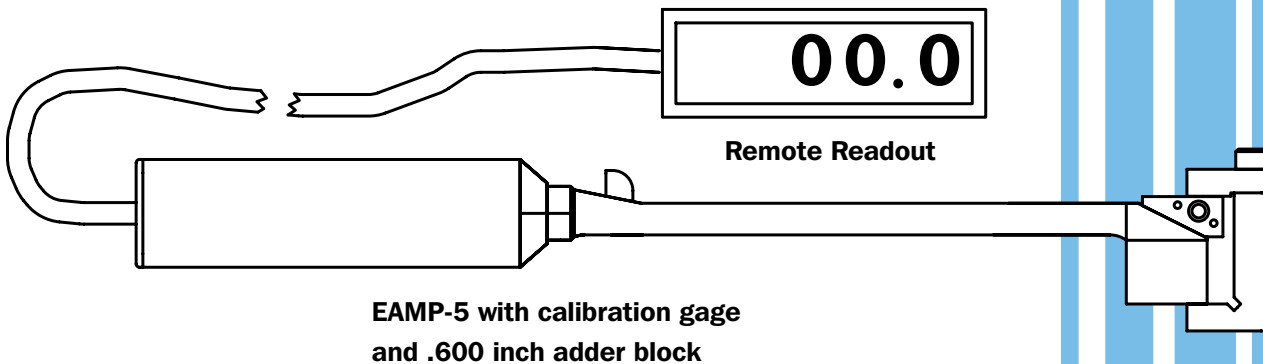


FEATURES

- Self contained, portable.
- Extremely accurate.
 - Absolute reading less than 1% of full scale.
 - Calibration chart supplied with each EAMP.
 - Certificate of Accuracy traceable to NIST registry included.
 - Repeatability within .0004 inch.
 - Resolution of .0001 inch.
- Built in battery testers for positive and negative batteries.
- Brushed and anodized aluminum carrying case. Shock resistant, foam lined.

SPECIFICATIONS

- WEIGHT
(Complete with case and batteries)
 - 8 pounds for EAMP-5
 - 11 pounds for EAMP-12
 - 16 pounds for EAMP-17
- BATTERIES
(5) 9-volt (transistor radio) cells.
- BATTERY LIFE
Approximately 20 hours continuous use w/alkaline batteries.
- MEASURING RANGE
.375 to 1.225 inches
(can be extended using customer supplied adder blocks)
- REACH
5 inches for Model EAMP-5
12 inches for Model EAMP-12
17 inches for Model EAMP-17



NOTES

Equipment Development Services manufactures other alignment and measuring tools such as the following:

- Concentricity Alignment Tool—to concentrically align the diaphragms to the rotors of steam turbines.
- Bridge and Joint Micrometers.
- Tight Wire Alignment Sets.

If you have an application which needs specialty tools, please give us a call. We are continually developing new tools for the power generation industry.

TERMS & CONDITIONS

Sold only to rated firms— otherwise COD, money wire transfer, or check w/ order. All prices are FOB our facility, Schenectady, New York. Prices include boxing for shipment— shipping charges extra. Payment terms to rated firms are Net 30 days. New York state sales taxes will be added for firms in New York unless an Exemption Certificate or Resale Certificate is supplied with order.

PRICE

(See separate price list sheet)

The complete EAMP includes one carrying case, one Power Supply Module complete with batteries, one measuring head with handle (5", 12" or 17" reach), 8 adder blocks (.100 thru .800 inch in increments of .100 inch), one calibration block and the necessary screws and hex key wrenches. The adder blocks and calibration block are mounted onto an aluminum accessory plate.

DELIVERY

Standard delivery from stock is 2 to 3 days. If item is not in stock, delivery is 4 to 6 weeks after receipt of order.

(The Electronic Adjustable Measuring Parallels tool is patented)

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