



tempoint[®]

Dial Thermometer

WARRANTY

Bacharach, Inc. warrants to Buyer that at the time of delivery this Product will be free from defects in material and manufacture and will conform substantially to Bacharach Inc.'s applicable specifications. Bacharach's liability and Buyer's remedy under this warranty are limited to the repair or replacement, at Bacharach's option, of this Product or parts thereof returned to Seller at the factory of manufacture and shown to Bacharach Inc.'s reasonable satisfaction to have been defective; provided that written notice of the defect shall have been given by Buyer to Bacharach Inc. within one (1) year after the date of delivery of this Product by Bacharach, Inc. For full details concerning this warranty, contact Bacharach Inc.

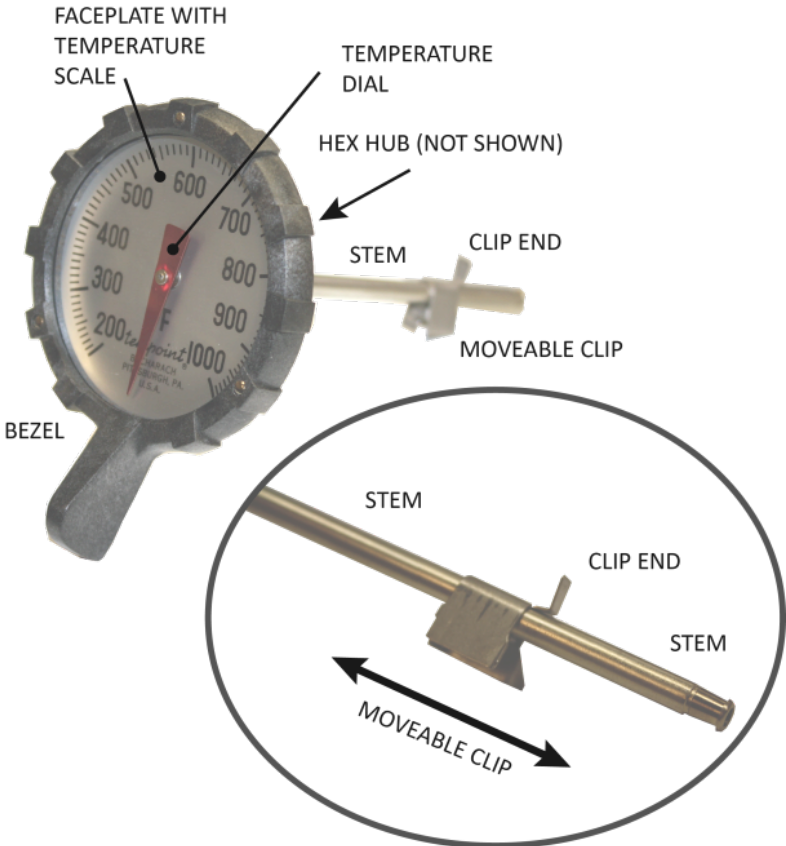
OPERATION WARNINGS

Read this entire instruction sheet and follow these operation warnings carefully to ensure accurate and reliable TEMPOINT service.

- Never overheat the unit beyond maximum faceplate indication.
- Do not bend the STEM.
- Avoid any shock to the TEMPOINT.
- Never immerse the STEM directly in corrosive chemicals or temperature baths. Use in such applications requires a protective well (i.e., a stainless steel tube) of suitable length and of a material that will withstand the corrosive action of the medium.

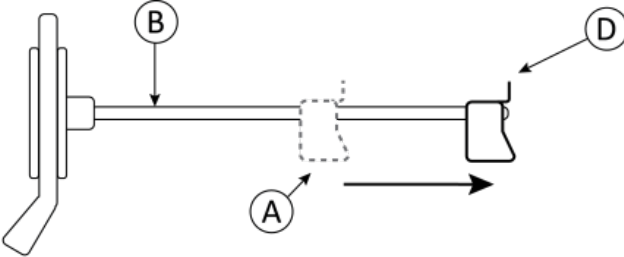
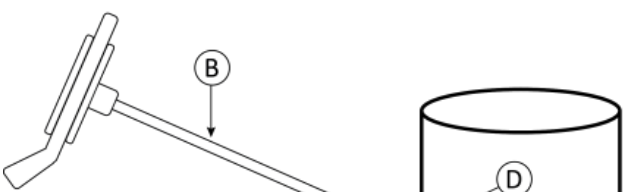
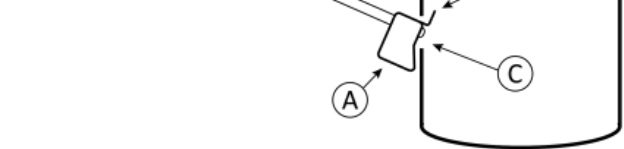
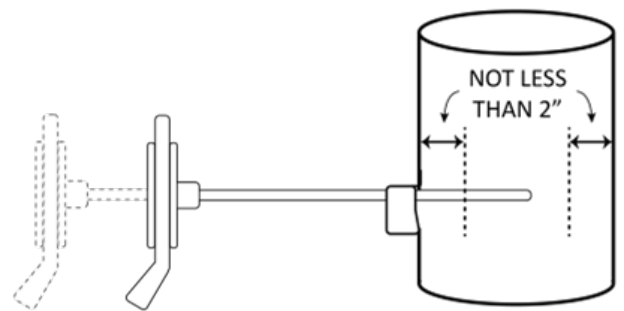
TEMPERATURE MEASUREMENT

Step	Temperature Measurement Instructions
1	Insert at least 2 inches of the STEM into the measurement medium (for example, heated air in the ductwork of a furnace flue).
2	Read the temperature on the dial scale when the pointer position becomes constant.



USING THE HOLDING CLIP

Use the holding clip to support the TEMPOINT in sheet metal duct or pipe.

Step	Using the Holding Clip	
1	Pull CLIP (A) to the end of the STEM (B) with the bent CLIP END (D) up.	 A diagram showing a holding clip (A) being moved along a stem (B). The clip has a bent end (D). A dashed line indicates the clip's position before it is pulled to the end of the stem. An arrow points to the right, indicating the direction of movement.
2	Insert the bent CLIP END into a ¼" diameter (punched or drilled) HOLE (C).	 A diagram showing the bent end (D) of the clip (A) being inserted into a hole (C) in a cylindrical duct. The stem (B) is angled upwards.
3	Push the STEM through the HOLE to the proper depth.	 A diagram showing the stem (B) being pushed through the hole (C) in the duct. The clip (A) is now fully seated in the hole.
4	Release the TEMPOINT and the holding CLIP will retain it securely in the HOLE.	 A diagram showing the final assembly. The stem (B) is secured in the hole (C) by the clip (A). A dashed line shows the TEMPOINT (a small bulb) at the end of the stem. A measurement of 2 inches is indicated between the end of the stem and the inner wall of the duct, labeled "NOT LESS THAN 2\"/>

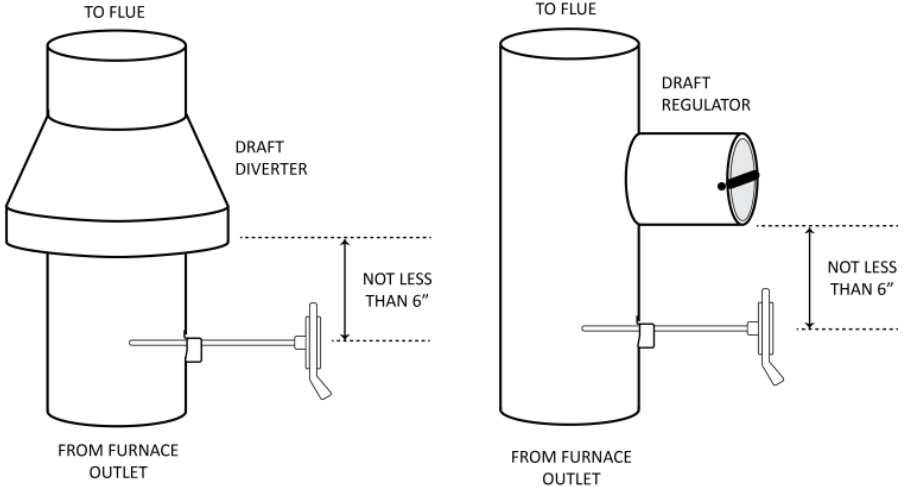
MEASUREMENT TECHNIQUES

Flue gas temperature should be measured between the barometric draft regulator or draft diverter and the flue outlet of the heating equipment. A ¼" diameter HOLE in the flue pipe (at least 6" from the draft regulator or diverter) is required. Insert the STEM through the HOLE so that the end of the STEM is not less than 2" from the wall of the flue pipe. Operate the combustion unit until the TEMPOINT reading is constant.



NOTE: When using the Bacharach, Inc. Fire Efficiency Finder to calculate the combustion efficiency, deduct the temperature of the air supplied for combustion from this TEMPOINT reading.

If necessary, obtain the heating equipment manufacturer's recommendations as to the proper flue gas temperature range for the equipment being tested.



TEMPOINT MAINTENANCE

TEMPOINT temperature indication may be adjusted or reset by gripping the hex hub at the top of the STEM with a 6" adjustable crescent wrench and slowly rotating the bezel until the pointer indicates the proper temperature (clockwise to decrease, and counter-clockwise to increase).

For more information on other Bacharach products including low cost electronic gas analyzers, please call 1-800-736-4666.



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