

Oven Tracker[®]

MonoPaq2 System for Monoblock Basket and Pin Ovens

USER GUIDE

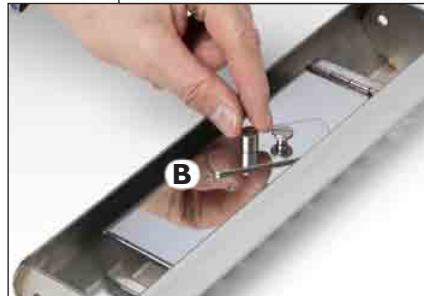


THE Datapaq MonoPaq2 system is designed specifically for monitoring coating-cure ovens used in the manufacture of aluminum bottles, aerosols and collapsible tubes by the Monoblock processes. Using the MicroQ18 data logger in the TB0072 thermal barrier, together with Insight™ software, the system can monitor both basket ovens (internal bake ovens, IBO) and pin ovens (outside bake ovens, OBO) used to cure internal and external tube coatings.

For general use of the MicroQ18 logger, and for the procedure of running a temperature profile, see the *Q4 and Q18 Data Loggers User Manual*. For details of using the Insight software, see its online Help system.

Procedure with IBO/Basket Oven

- 1** Lay the barrier on a flat surface and remove the four raised blanking screws from the side.
- 2** Secure the logger in the barrier with thermocouples attached.
- 3** Choose the appropriate catch for the width of your basket (**A**), and attach it loosely to the barrier with its knurled screw.
- 4** Lay the barrier in basket, rotate the catch so that it grips beneath the edges of the basket (**B**), and tighten the catch in position with the knurled screw (**C**).
- 5** Attach thermocouples to the product as required.
 - *Proceed with the temperature-profile run.*



Procedure with OBO/Pin Oven

- Before mounting in the oven, assemble the barrier and pin-clamp as follows.

1 Lay the barrier on a flat surface and remove the four raised blanking screws from the side. Screw the pin-clamp to the barrier using the four countersunk screws supplied (**D**).

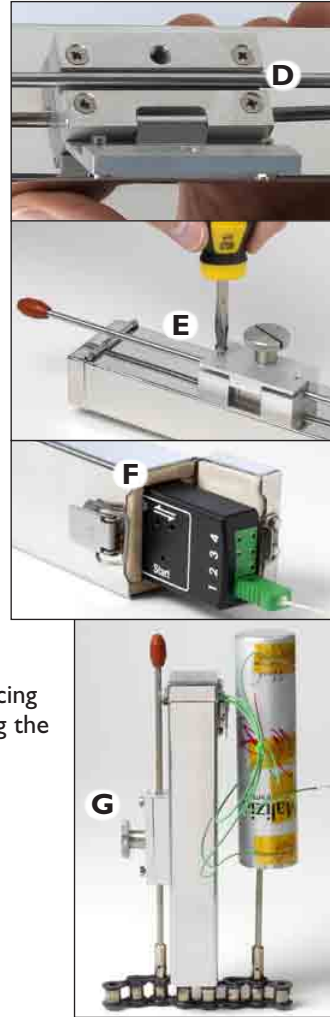
2 Open the clamp and lay a dummy pin into the groove. Close the clamp and tighten it loosely with the large knurled screw. Screw in the two clamping-screws tightly so that the pin is held firmly (**E**), and then open the clamp by releasing the large screw.

3 Secure the logger in the barrier (**F**) with thermocouples attached to the test-piece as required.

- The barrier assembly is now ready to be taken to the oven.

4 Position the test-piece on a pin in the oven, and attach the barrier to an adjacent pin by placing the groove of the clamp against it and fully tightening the large knurled screw (**G**).

- Proceed with the temperature-profile run.



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