



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

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Service Note

**99-041 Rev B
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PERMEATION TUBE OVEN MODIFICATION WITH STAINLESS STEEL SCREEN

(INFORMATION ONLY)

I. SCOPE:

The goal of this Service Note is to inform our customers of a new modification in the design of the permeation tube oven which will help reduce small temperature changes in the oven therefore giving a more stable output from the permeation tube.

II. TOOLS:

None

III. PARTS:

None

IV. INFORMATION:

A stainless steel screen is rolled into a column, then inserted into the well in the permeation tube oven under the top cover plate. Therefore the stainless steel screen column inserted into the permeation tube oven will make the temperature stability better as the airflow changes in the permeation tube oven. If the temperature of the permeation tube is more stable then the concentration of the gas the permeation tube generates will be very stable. If the permeation tube oven temperature changes 0.1 ° C there is a 1-% change in concentration output.

If you have questions regarding this procedure or any API equipment, please contact an API Customer Service representative at:

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