



**TELEDYNE  
INSTRUMENTS**

*Advanced Pollution Instrumentation*

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*Service Note*

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## **M200A REACTION CELL NOZZLE PLATING (INFORMATION ONLY)**

**I. SCOPE:**

To inform our customers of a change in the Reaction Cell plating.

**II. TOOLS:**

None

**III. PARTS:**

None

**IV. PROCEDURE:**

Some M200A analyzers have been found to have faulty gold plating on the reaction cell. As a result, plating has flaked or peeled off, and in some cases simply been eaten away by the chemical reaction in the reaction cell. Replacement of the reaction cell is required in these cases.

Concern has been expressed that on the replacement reaction cells there are score marks on the nozzles. The manufacturing process which is used to attach the nozzles to the manifold produces some scoring of the nozzles which may appear to be plating which has flaked or peeled off. This is normal and is not considered to be a problem. The loss of plating from the nozzles will not affect the operation of the reaction cell in the NO<sub>x</sub> analyzer, as the only critical surfaces are the inside of the sleeve and the face of the manifold where the nozzles are attached.

API's quality teams are constantly checking the quality of all API manufactured goods and will recommend changes as problems are found. If you have questions regarding the subject of this note, or any quality concerns, feel free to contact the quality manager at API.