

## Customer Profile

Companies who manufacture machines for transporting microplates and test tubes.

## The Challenge

The customer needed to verify the presence of a liquid in a very small opening. They would verify the liquid's presence before and after the microplate was moved.

## The Solution

The ultrasonic UNAM 12 with the sound focusing adapter.

## Product Features

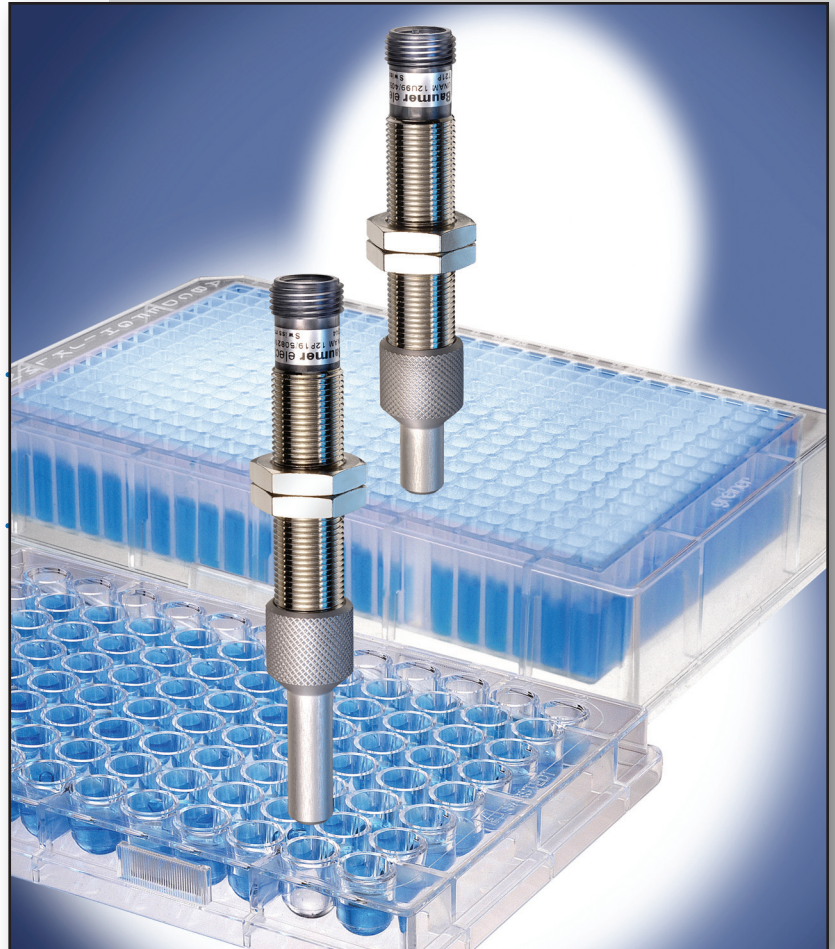
- Sound focusing cone with 3mm opening
- Analog or discrete output
- Can be used with any color material
- Teach-in with lockout feature
- Small 12mm diameter housing
- Self-contained

## Benefits to the Customer

- Focusing cone allows the sound wave to reach into tight locations
- Can either get a presence output or a variable output related to the material height
- Ultrasonic sensing is not affected by target color
- Teach-in allows for user desired output and lock-out prevents unwanted programming changes
- Easy to fit into tight locations
- All-in-one device does not need external devices

## Market Opportunities

- OEMs who need to verify product presence before and after moving a part. IE: Pharmaceutical microplates and test tubes
- OEMs for rubber manufacturing machines who need precise position of any color rubber
- Packaging OEMs who need to verify presence through the mouth of a small bottle



## For application information, contact:

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