

## Alarm Resolution at Passenger Checkpoints



In today's world, passengers expect to travel through an airport with ease while maintaining a high level of security. The recent delays and queues at airports have been covered widely in the media post COVID. As a result, it is clear that there is a need for faster, low-training-burden, high-security technology. The aviation industry has started to adopt computed tomography X-ray (CT) systems. These CT systems will improve passenger throughput by allowing passengers to keep liquids and electronics in bags while improving threat detection. However, with the ever-increasing global threat, CT systems are detecting more items that require alarm resolution, which can cause increases in passenger wait times.

The Agilent Insight200M provides state-of-the-art technology for alarm resolution at security checkpoints. The Insight200M has a simple, easy-to-use workflow that works seamlessly alongside CT systems. The Insight200M workflow is designed to clearly detect and identify an alarm with the highest detection rate available and lowest false alarm rate in approximately 5 seconds. Importantly, the design provides a low training burden to allow fast staff training and a low false alarm rate to ensure that passenger throughput remains high. The Insight200M uses state-of-the-art technology that can respond quickly to emerging threats.

The Insight200M has been deployed globally, and the false alarm rates (FAR) are shown in Table 1.

**Table 1.** Data collected from operational systems at multiple EU airports showing false alarm rates for nonmetallic, opaque, clear glass and plastic items, and metallic items.

| Items                                | False Alarm Rate |
|--------------------------------------|------------------|
| Nonmetallic Items                    | Less than 0.7%   |
| All Items (Metallic and Nonmetallic) | Less than 2.0%   |

Please use the **Request quote** button to contact us for further information on how Agilent can help you improve passenger throughput while improving safety and security.

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