

IPA

Cleanroom (atmospheric)

valid until: December 12, 2030

Fraunhofer

TESTED[®]
DEVICE

Beckhoff Automation
XPlanar APS4244+APM4330
Report No. BE 2511-1690

Single product Particle Emission in Cleanroom (atmospheric)

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Qualification Certificate

This is to certify that the product mentioned above, provided by **Beckhoff Automation GmbH & Co. KG**
Verl, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number BE 2511-1690.

The XPlanar Test Setup 2 x APS4244 + 1 x APM4330 was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$; relative humidity: $45\% \pm 5\%$), it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v = 1 \text{ m/s}$ $a = 10 \text{ m/s}^2$ Counts of mover on system: $n = 1$ Mover weight: $m = 1.5 \text{ kg}$	1
Overall result	

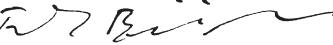
Please note: Transport damages, incorrect installation, oil leakage, aging behavior, corrosion etc. can influence the test result.

BE 2511-1690
Report No. first document

Stuttgart, December 12, 2025
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification



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