





## Fraunhofer TESTED® DEVICE Atlas Copco Tools IRTT-B 75A-10 Report No. AT 1510-786

Statement of Qualification

Particle Emission

### **Statement of Qualification**

#### Customer

Atlas Copco Tools Central Europe GmbH Langemarckstrasse 35 45141 Essen Germany

#### **Component tested**

Category:	Working Place and Operator
Subcategory:	Work Equipment
Product name:	In-line rotary transducer IRTT-B 75A-10 (manufacturing date: 11/2014; color: black; serial number: 43260974)

#### Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:	VDI 2083-9.1; ISO 14644-1 The norms stated refer to the relevant editions applicable at the time of the tests.
Test devices:	Optical particle counter: LasAir II and LasAir III 110 with measuring ranges $\geq 0.1 \mu$ m, $\geq 0.2 \mu$ m, $\geq 0.3 \mu$ m, $\geq 0.5 \mu$ m, $\geq 1.0 \mu$ m and $\geq 5.0 \mu$ m
Test environment parameters:	<ul> <li>Cleanroom Air Cleanliness Class (according to ISO 14644-1):ISO 1</li> <li>Airflow velocity:</li></ul>
Test procedure parameters:	<ul> <li>Installation position:</li></ul>

Test result/Classification

When operated under the specified test conditions, the in-line rotary transducer IRTT-B 75A-10 is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

# Test parame

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany

Place, current date

Frank Bürger, Project Manager Fraunhofer IPA





eter(s)	Air Cleanliness Class
screw: torque M = 40 Nm	7
ult	7

on behalf of Ron Bir

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