



valid until: October 18, 2028

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

WERMA Signaltechnik  
CleanSIGN

**Report No. WE 2309-1457**

Product series  
Particle Emission

## Qualification Certificate

This is to certify that the product mentioned above, provided by

**WERMA Signaltechnik GmbH + Co. KG**  
Rietheim-Weilheim, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number WE 2309-1457.

The signaltower series CleanSIGN was assessed in compliance  
with ISO 14644-14. When operated under the specified test  
conditions, it is suitable for use in cleanrooms fulfilling the  
specifications of the following Air Cleanliness Classes according  
to ISO 14644-1:

| Test parameter(s)  | Air Cleanliness Class |
|--|-----------------------|
| Installation position: hanging<br>Structure-borne noise: 50Hz  | 1                     |
| Installation position: standing<br>Structure-borne noise: 50Hz | 1                     |
| <b>Overall result</b>  | <b>1</b>              |

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

WE 2309-1457  
Report No. first document

Stuttgart, July 20, 2018  
Place, date of first document issued

WE 2309-1457  
Report No. current document

Stuttgart, October 18, 2023  
Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

This document only  
applies to the named  
product in its original state  
and is valid for a period of  
5 years from the current  
date the 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.



**Fraunhofer**  
IPA