



Fraunhofer

TESTED[®] DEVICE

U.I. Lapp GmbH
UNITRONIC FD CP (TP) plus
Report No. LA 1505-765

Qualification Certificate

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

U.I. Lapp GmbH
Stuttgart, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number LA 1505-765.

When operated under the specified test conditions, the UNITRONIC FD CP (TP) plus 4x2x0,14 (color: grey) is suitable for use in clean-rooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Parameter	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	2
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	3
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	4
Overall result	4

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

Stuttgart, July 24, 2015

i.A. 
Udo Gommel, Project manager Fraunhofer IPA

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:
www.tested-device.com