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visual audio

The Defender frontline screen



Immediate virus protection for front-line staff

Clear wrap-around screen incorporating the **Melaphone** Amplifying* Speech Unit which is Cleanroom certified against airborne viruses and bacteria

*Clear resonating membrane prevents all thru-transmission

When you need to talk...

01359 233191

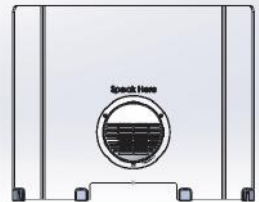


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Technical View
(Short version)



Why The Melaphone Defender?

10 Good reasons are listed below

The Melaphone Defender to protect you, your staff and clients

1. No air transmission through the speech unit at all....100% Certified
2. 99.9% protection for all your front public facing staff
3. No wires - No running costs
4. Easy to install with a hole drilling template
5. Melaphone - Tried and tested in Clean Rooms for over 50 years
6. Certified to ISO 14644-1 Class 5 (see back page for details)
7. Completely made in the UK, supporting UK businesses
8. Single or double partition screens available at 2 different heights
9. Screen can be customised to fit your particular reception desk.
10. Call us to discuss on 01359 233191

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How to order and install

(Melaphone's can be ordered separately if needed)

It's easy - Go online to www.melaphone.co.uk/defender_instructions and follow the clear instructions to order your Melaphone Defender screen specifically for your desk. If you are unsure of any element or need some assistance, please call us on 01359 233191 for further advice. We'll be very happy to assist.

The Defender screen is made from high quality strong Perspex™ acrylic or PETG. Acrylic and PETG can be easily disinfected with IPA wipes on a daily basis with no detrimental effect. It's supplied assembled with a closed position indicator, vinyl graphics & 2 off stainless steel feet brackets to secure your screen to the desk using the supplied drilling template. These are designed as a permanent screening solution.

Standard sizes are:

To fit desk height up to 110cm, order Single LOW Desk (MVALD1) £295+VAT
60cm wide x 90cm H with 20cm angled returns. Overall width 81.2cm (Includes delivery)

To fit desk height over 110cm, order Single HIGH Desk (MVAHD1) £285+VAT
60cm wide x 65cm H with 20cm angled returns. Overall width 81.2cm (Includes delivery)

Glass countertop converter - Acrylic panel with VHB applied **£19 +VAT**

To protect your staff and patients
immediately from the current
Coronavirus threat and other
airborne pathogens,

CALL US NOW

01359 233191

When you need to talk,
You Need to Talk to
melaphone

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London N3 2RL

Telephone
01359 233191

Email
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CleanRoom
Consulting

Melaphone Cleanroom Tests - November 2015

Summary

Cleanroom usage tests were carried out on Small (244 mm diameter) and Large (318 mm diameter) Melaphone Audio Visual devices.

Units were mounted into a purpose built sealed test rig. The test rig was circulated with ISO 14644-1 clean air filtered to an ISO 5 level (equivalent to EU CGMP Class A/B).

The test rig was pressure tested up to positive level of +350 Pa (n/m²) and negative level of -250 Pa (n/m²) at rest and operational, with no pressure leakage evident.

Particle levels were monitored at positive and negative pressures, at rest and operational with no particle level increase.

Smoke challenges were carried out at positive and negative pressures at rest and operational which detected no air movement or leakage.

Conclusion

These devices are deemed suitable for use as an audio visual aid in cleanrooms walls or windows up to ISO 14644-1 ISO 5 level as they maintain a high positive and negative pressure barrier and do not increase or generate particle at rest and in operation.

Signed,

Brian D. Godson, B.Sc. Mech. Eng. T.Eng. C&G London Inst.
Director.
Cleanroom Consulting Limited.

Rigorously tested to international clean room standards, ISO 14644-1 Class 5, the Melaphone speech unit achieved the above standard with ease.

The Melaphone speech unit can be found in laboratories all over the world for companies such as GSK in countries as far field as Australia, Canada, India and Mexico.

Originally developed for British Rail, Melaphone was soon recognised as a very effective barrier against all airborne pathogens and adopted by the clean room industry as a reliable cost effective front line defence in protecting their staff against infection transmission.

Now available for general use within the medical industry, your staff can enjoy the same levels of protection that your lab colleagues do

Cleanroom Consulting Limited
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