

Backlighted Panels

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For over 15 years we have supported our aerospace customers in the design and manufacturing of their cockpit backlighted panels in a Build-to-Spec or Build-to-Print.

This is the historical activity of Oxytronic.



Main Features

The unrivaled experience of our teams is complemented by a set of high-performance means in order to provide high quality products:

- 3-axis machining center (PMMA, polycarbonate, etc.),
- Laser engraving machine adapted to different types of materials,
- Sandblaster and paint booth,
- CMS laying machine,
- Video-colorimeter for global light harmonization (chrominance and luminance), spectroradiometer for radiance control (military requirement for NVIS night vision).
- Our cockpit panels meet the requirements of the DO-160 standard.

Design

OXYTRONIC's own design :

- PCBA design
- Sheet metal design
- Button design for injection
- Design Indicators, indicator buttons
- Clean design to ensure watertightness
- Optical design leds/filters for chromaticity
- Optical design for the NVIS requirement

Possible integration of parts :

- Toggle switch
- Ventilator
- Screen
- Flip guard
- Red bar
- Sealing gasket
- EMI gasket

Typical application

Oxytronic quickly established itself as a major player in the supply of backlit front panels, with longstanding references in the most prestigious aeronautical programs, as well as land and sea applications.

Air

- Fixed-wing programs
- Rotary-wing programs

Land

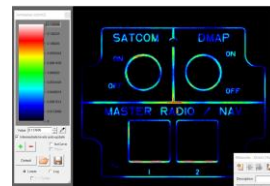
- Off road vehicle

Sea

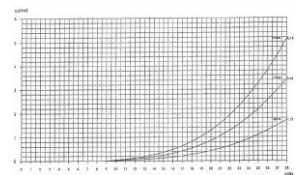
- Remotely Operated Vehicle (ROV)
- Sub marin application

Miscellaneous

HOMOGENEITY (HARMONISATION)



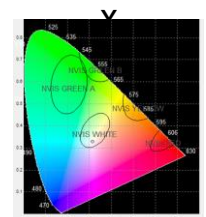
DIMMAGE



RADIANCE (NVIS)



CHROMATICIT



More information

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