

Anti-Condensation Film for OSID Emitters and EH Housings



Application

OSID Emitters are equipped with an acrylic lens and are therefore not normally prone to condensation. However in some extremely moist environments, condensation may nevertheless occur on the lens. Slow forming condensation can produce an unacceptably large loss of signal. To prevent that from occurring, the Emitter lens can be fitted with an anti-condensation film. The film can be quickly and easily applied to the lens without the need for special tools or adhesives.

The film prevents condensation from forming and keeps the lens clear.

Note however that the film causes a 10% reduction in maximum detection distance.

A damp cloth can be used to clean the film if it becomes contaminated.

The combination of the film and the algorithms in the Imager offer a cost-effective solution for condensation susceptible areas.

The OSID Imager has a built-in heater and the film should not be used on Imagers.

In harsh environments where the OSID-EH environmental housings are used and condensation is expected, both Emitter and Imager housing can be fitted with an anti-condensation film.

When applied on Emitter and Imager housing there is a 20% reduction in maximum detection distance.

Features

- Prevents condensation
- Fast and easy installation
- Simple maintenance
- Long lifetime
- Highly scratch resistant
- Does not crack, peel or discolour from exposure to sunlight
- Easy to clean using cleaning solvents

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Configuration Options

OSE-ACF

	Min (m/ft)	Max (m/ft)	HP Min (m/ft)	HP Max (m/ft)
OSI-10	27/88	135/443	-	-
OSI-45	14/44	54/177	27/88	108/354
OSI-90	5/18	31/100	11/35	61/201
OSI-90 corners	-	24/80	-	49/160

OSEH-ACF (*)

	Min (m/ft)	Max (m/ft)	HP Min (m/ft)	HP Max (m/ft)
OSI-10	19/62	97/318	-	-
OSI-90	4/13	22/72	8/26	44/144

(*) Film applied on both Imager and Emitter housing.

Ordering Codes

OSE-ACF Anti-condensation film for Emitter
OSEH-ACF Anti-condensation film for EH housings

Specifications

Material

Clear ABC coated polycarbonate

Size

Diameter 50 mm for Emitter
Diameter 120 mm for EH housings

Colour

Clear, haze < 0.5%

Thickness

0.14 mm

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